

# 19" RACKMOUNT

Industrial Computer Chassis



n 142664



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# M

## anagement Philosophy

Frugality  
Sincerity  
Innovation  
Accountable

### Company Profile

Established in 1972, Guanghsing located in the northern part of Taiwan, is one of the leaders in providing 19" Rackmount chassis, Storage, Wall Mount, and Compact PCI enclosures to Industrial Automation, Networking, ISP, Computer Telephony and Medical field. From custom designed rackmount chassis to our custom designed enclosures, Guanghsing products has been perennially recognized and well acknowledged by our customers as an Innovative, Top-Quality and Cost-Effective products.

By utilizing the advanced CAD/CAM design tools, Guanghsing's enclosures are one of the best cases available today. All of Guanghsing's in-house designed products are rugged, stable and made from premium quality steel. In order to ensure the quality and reduce total cost of ownership, Guanghsing documents every process and procedure to ensure that ISO is practiced and implemented through out the whole operation.

Guanghsing is dedicated to putting the same level of commitment and care to producing customized products as we are to customer service. We have an ongoing relationship with all our customers to discuss and review materials and production planning. From designing to final assembly, Guanghsing has the capability to meet all customization requirements.

In our 100,000+ square feet facility, manufacturing process is controlled by sophisticated equipment, well trained employees and each chassis is put through our strict Quality Management Team to ensure high standards and low failure rates. Our Sales Team are always dedicated to the prompt service and our engineers provide adaptive solutions for all customers' needs. We are here to achieve Total Customer Satisfaction!

Our facilities currently consist of these machineries:

#### Press Line:

Cross-Shaft Precision Press 25ton-250ton: 16 sets.  
Shuttle Robot Line Precision Press 150ton: 6 sets.  
Shuttle Robot Line Precision Press 200ton: 6 sets.

#### Spot Welding Line:

Spot Welding Machine: 16 sets.  
Cap Spot Welding Machine: 2 sets.  
Multi-Spindle Spot Welding Machine: 2 sets.  
Multi-Spindle Rivet Fastening Machine: 6 sets.

#### Assembly Line:

Assembly Line 30M: 3 lines.

Guanghsing is perpetually researching and developing innovative and cost effective methods to provide quality products at reasonable pricing. We are striving forward in order to provide YOU with the latest technology. Our goal is to deliver:

***Quality Assured, Cost Effective Chassis Solutions***







## RACKMOUNT CHASSIS SERIES

GHI-100/101	1U Rackmount Chassis.....	9
GHI-104/104DX	1U Rackmount Chassis.....	10
GHI-105/105DX	1U Rackmount Chassis.....	11
GHI-106	1U Rackmount Chassis.....	12
GHI-110	1U Rackmount Chassis.....	13
GHI-112	1U Rackmount Chassis.....	14
GHI-113	1U Rackmount Chassis.....	15
GHI-114	1U Rackmount Chassis.....	16
GHI-130	1U Rackmount Chassis.....	17
GHI-142	1U Rackmount Chassis.....	18
<b>new</b> GHI-160	1U Rackmount Chassis.....	19
GHI-180	1U Rackmount Chassis.....	20
GHI-181/181WV2	1U Rackmount Chassis.....	21
GHI-188ATX	1U Rackmount Chassis.....	22
<b>new</b> GH-189	1U Rackmount Chassis.....	23
GH-198B/198L	1U Rackmount Chassis.....	24
GHI-200	2U Rackmount Chassis.....	25
GHI-210	2U Rackmount Chassis.....	26
GH-212ATX	2U Rackmount Chassis.....	27
GHI-213	2U Rackmount Chassis.....	28
GHI-230	2U Rackmount Chassis.....	29
GH-231ATX	2U Rackmount Chassis.....	30
GH-232ATX	2U Rackmount Chassis.....	31
GH-241ATX/242ATXR	2U Rackmount Chassis.....	32
GH-244ATXR/245ATX	2U Rackmount Chassis.....	33
GHI-250	2U Rackmount Chassis.....	34
GHI-251	2U Rackmount Chassis.....	35
GHI-252V/252H	2U Rackmount Chassis.....	36
GHI-280/280V/280WV2	2U Rackmount Chassis.....	37
GHI-281/281V/281WV2	2U Rackmount Chassis.....	38
GHI-282/282V	2U Rackmount Chassis.....	39
GHI-283/283V/283WV2	2U Rackmount Chassis.....	40
GH-288SR	2U Rackmount Chassis.....	41
<b>new</b> GHI-289	2U Rackmount Chassis.....	42
<b>new</b> GHI-290	2U Rackmount Chassis.....	43
GH-310ATXR	3U Rackmount Chassis.....	44
GHI-312	3U Rackmount Chassis.....	45
<b>new</b> GHI-313	3U Rackmount Chassis.....	46
GH-341ATX	3U Rackmount Chassis.....	47
GHI-350	3U Rackmount Chassis.....	48
GHI-380	3U Rackmount Chassis.....	49
GHI-381	3U Rackmount Chassis.....	50
<b>new</b> GHI-390	3U Rackmount Chassis.....	51
GH-400ATX/400S	4U Rackmount Chassis.....	52
GH-402ATXR/402SR	4U Rackmount Chassis.....	53
GHI-403ATXR/403SR	4U Rackmount Chassis.....	54
GH-410ATXR/410SR	4U Rackmount Chassis.....	55
GH-411ATXR/411SR	4U Rackmount Chassis.....	56
GH-414ATXR/414SR	4U Rackmount Chassis.....	57
GH-416ATXR/416SR	4U Rackmount Chassis.....	58
GH-418ATXR/418SR	4U Rackmount Chassis.....	59
GH-419ATXR/419SR	4U Rackmount Chassis.....	60
GH-430ATXR/430SR	4U Rackmount Chassis.....	61
GH-431ATXR/431SR	4U Rackmount Chassis.....	62
GH-432ATXR/432SR	4U Rackmount Chassis.....	63
<b>new</b> GHI-440	4U Rackmount Chassis.....	64
<b>new</b> GHI-441	4U Rackmount Chassis.....	65
<b>new</b> GHI-442	4U Rackmount Chassis.....	66
GHI-480	4U Rackmount Chassis.....	67
GHI-481	4U Rackmount Chassis.....	68
GH-520SR/530ATXR	5U Rackmount Chassis.....	69
GHI-580	5U Rackmount Chassis.....	70
<b>new</b> GHI-581	5U Rackmount Chassis.....	71
<b>new</b> GHI-583	5U Rackmount Chassis.....	72
GH-600ATXR/620SR	6U Rackmount Chassis.....	73
GHI-611	6U Rackmount Chassis.....	74
GHI-690	6U Rackmount Chassis.....	75
<b>new</b> GHI-691	6U Rackmount Chassis.....	76
<b>new</b> GH-800ATXR/820SR	8U Rackmount Chassis.....	77
GHI-P01	8U Rackmount Chassis.....	78
GHB-B04	6U-1/4 Rackmount Chassis.....	79
GHB-B08	6U-1/2 Rackmount Chassis.....	80
<b>new</b> GHB-042	6U-1/4 Rackmount Chassis.....	81
GHB-060	6-Slot Micro Box Chassis.....	82
GHB-061	6-Slot Micro Box Chassis.....	83
<b>new</b> GHB-062-6	6-Slot Micro Box Chassis.....	84
<b>new</b> GHB-062-8	6-Slot Micro Box Chassis.....	85
GHB-080	8-Slot Micro Box Chassis.....	86
<b>new</b> GHB-082-8	8-Slot Micro Box Chassis.....	87
<b>new</b> GHB-082-10	10-Slot Micro Box Chassis.....	88
<b>new</b> GHB-083-8	8-Slot Micro Box Chassis.....	89
<b>new</b> GHB-083-10	10-Slot Micro Box Chassis.....	90
<b>new</b> GHB-120ATXR/120SR	Micro Box Chassis.....	91



# Index

GH-M15/M17	Monitor Enclosure.....	92
GHK-M01	1U 15" LCD Monitor.....	93
GHK-M02	1U 15" LCD Monitor with 8 Ports KVM.....	94
GH-K02	1U Rackmount Keyboard Drawer.....	95
GH-KD1	1U Rackmount Keyboard Drawer.....	95
GH-KD4	1U Rackmount Keyboard Drawer.....	95

GHA-280WV2	2U WV2 Kit.....	116
GHA-BW205	2-slots Back Window	
GHA-BW206	2-slots Back Window	
GHA-BW256	2-slots Back Window	
GHA-BW305	3-slots Back Window	
GHA-BW306	3-slots Back Window	

## COMPACT PCI SERIES

GHC-C01	1U Compact PCI.....	96
GHC-C02	2U Compact PCI.....	97
GHC-C03	3U Compact PCI.....	98
GHC-C04	4U Compact PCI.....	99
GHC-P03	8U Compact PCI.....	100
OEM	.....	101

## STORAGE SERIES

GHR-219	2U Rackmount Storage Chassis.....	102
GHR-420	4U Rackmount Storage Chassis.....	103
GHR-421	4U Rackmount Storage Chassis.....	104
GHR-422	4U Rackmount Storage Chassis.....	105
GHR-2104	Disk Array Chassis.....	106
<b>new</b> GHK-431/541	Hot-Swappable Disk Array.....	107

## ACCESSORIES

GHA-CO01	Thermal Management Card.....	108
GHA-CO02	Thermal Management Card	
GHA-CO03	Thermal Management Card	
GHA-CO04	Thermal Management Card	
GHA-CO05	Thermal Management Card	
GHA-BRM1	IPC Accessory	
GHA-SL20/SL26	Slide Rail.....	109
GHA-SL20-1U/SL24-1U	Slide Rail	
RL-CC1001-99-0104/	Slide Rail	
CC3001-00-0240/		
CC3001-00-0260		
GHA-H199	3.5" HDD Bracket	
GHA-H211	3.5" HDD Bracket	
GHA-H300	3.5" HDD Bracket.....	110
GHA-H414	3.5" HDD Bracket	
GHA-H431	3.5" HDD Bracket	
GHA-H432	3.5" HDD Bracket	
GHA-H280	3.5" HDD Bracket	
GHA-H380	3.5" HDD Bracket	
GHA-H480	3.5" HDD Bracket.....	111
GHA-1520	Rackmount Accessory	
GHA-4HL	IPC Accessory	
GHA-4UH	IPC Accessory	
GHA-4UL	IPC Accessory	
GHA-TE01	Hold Down Bar	
GHA-YT01	Hold Down Bar.....	112
GHA-410	Hold Down Bar	
GHA-418	Hold Down Bar	
GHA-F123	Cooling Fan	
GHA-F200	Cooling Fan	
GHA-F418	Cooling Fan	
GHA-F520	Cooling Fan.....	113
GHA-FM01	Drive Adapter	
GHA-FM03/FH03	Drive Adapter	
GHA-FM04/FH04	Drive Adapter	
GHA-FM05/FH05	Drive Adapter	
GHA-FM06	Drive Adapter	
GHA-FM801	Drive Adapter.....	114
GHA-ED01X	Thermal Management Box	
DVD-R		
DVD-RW		
<b>new</b> GHA-SR242	Slim CD-ROM	
GHA-D353	Slim FDD	
GHA-K002	Coupling Adapter.....	115
GHA-K003	Adapter	
GHA-K004	Adapter	
GHA-K005	USB & PS2 Adapter	
GHA-K006	USB Adapter	
GHA-181WV2	1U WV2 Kit	

## PASSIVE BACKPLANE & RISER CARD

GHP-100	1-slot Riser Card.....	118
GHP-R0101	1-slot Riser Card	
GHP-R0102	1-slot Riser Card	
GHP-R0103	1-slot Riser Card	
GHP-R0104	1-slot Riser Card	
GHP-R0110(GHP-141)	1-slot Riser Card	
GHP-R0119	1-slot Riser Card	
GHP-200	2-slots Riser Card	
GHP-205	2-slots Riser Card.....	119
GHP-206	2-slots Riser Card	
GHP-R0301	3-slots Riser Card	
GHP-R0302	3-slots Riser Card	
GHP-R0303	3-slots Riser Card	
GHP-R0304	3-slots Riser Card	
GHP-R0305	3-slots Riser Card	
GHP-R0309	3-slots Riser Card	
<b>new</b> GHP-R0308	3-slots Riser Card.....	120
GHP-AGP01	3-slots Riser Card	
GHP-AGP02	3-slots Riser Card	
GHP-AGP03	3-slots Riser Card	
GHP-AGP04	3-slots Riser Card	
GHP-AGP05	3-slots Riser Card	
GHP-AGP06	3-slots Riser Card	
GHP-AGP07	3-slots Riser Card	
GHP-B2SD	2-slots Backplane.....	121
GHP-G1UG1	2-slots Backplane	
GHP-AD3S2	3-slots Backplane	
GHP-B5SD	5-slots Backplane	
GHP-B4PS1	5-slots Backplane.....	122
GHP-AD6S4	5-slots Backplane	
GHP-B6SD	6-slots Backplane	
GHP-P2UP4	6-slots Backplane	
GHP-2004	4-slots Backplane.....	123
GHP-2204	4-slots Backplane	
GHP-2006	6-slots Backplane	
GHP-2206	6-slots Backplane	
GHP-2308	8-slots Backplane	
GHP-2008	8-slots Backplane	
GHP-2208	8-slots Backplane	
GHP-2014	14-slots Backplane	
GHP-2214	14-slots Backplane.....	124
GHP-P14P4	14-slots Backplane	
GHP-2214D	14-slots Backplane	
GHP-2020	20-slots Backplane	
GHP-2020S	20-slots Backplane	
GHP-2220	20-slots Backplane	
GHP-2220G	20-slots Backplane	
GHP-2220Q	20-slots Backplane	
<b>new</b> GHP-PC110-ATX	10-slots Backplane.....	125
<b>new</b> GHP-206B-AT	6-slots Backplane	
<b>new</b> GHP-PC16R-ATX	6-slots Backplane	
<b>new</b> GHP-PC1-08P4	8-slots Backplane	
<b>new</b> GHP-101-ATX	10-slots Backplane	
<b>new</b> GHP-10P7-E1	10-slots Backplane	
<b>new</b> GHP-PC14-ATX	4-slots Backplane	
<b>new</b> GHP-06P3	6-slots Backplane	

## SERVER & COMPUTER CASE

GHS-1500	Server Case.....	126
GHS-2000	Server Case.....	127
<b>new</b> SG-1200	Server Case.....	128
SG-4002XC	Server Case.....	129
GT-232XC/332BC	Workstation Tower Case.....	130

## 19" OPEN RACK SERIES

19" Open Rack Series.....	131/132
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# Chassis Comparison Chart

Model	Mounting Configuration options		Board Options		Bus Architecture				Max. Number of Slots	Power Supply Options		Fan space#				
	Rack	Tower Wall/ Panel	Passive B/P	ATX/AT M/B	CPU	ISA	PCI	cPCI H. 100		Watts	P/S Type	4 cm	6 cm	8 cm	9 cm	12 cm
GHI-100	X		X		X	X	X		3	250~350 1U					3	
GHI-101	X		X		X	X	X		3	250~350 1U					3	
GHI-104	X			12" x 13"					1	250~500 1U					3+2/6	
GHI-105	X			12" x 9.6"					1	250~500 1U					4	
GHI-106	X			6.7" x 6.7"					1	150~200 1U						
GHI-110	X			12" x 9.6"					1	250~350 1U					2+3	
GHI-112	X			12" x 9.6"					1	250~350 1U					3	
GHI-113	X			12" x 13"					1	250~500 1U					7	
GHI-114	X			12" x 13"					1	500 1U					6	
GHI-130	X			12" x 13"					1	250~300 1U					6+3	
GHI-142	X			12" x 13"					1	250~400 1U					5+5	
GHI-160	X			12" x 13"					1	250~500 1U					6	
GHI-180	X			12" x 13"					1	250~400 1U					6	
GHI-181	X			12" x 13"					1	250~500 1U					6	
GHI-181WV2	X			12" x 13"					2	250~500 1U					6	
GH-188ATX	X			12" x 9.6"					1	180~300 1U					2	
GHI-189	X		X		X		X			250~500 1U					6	
GH-198B	X		X		X		X		2	180~300 1U					3	
GH-198L	X			Little board						180~300 1U					3	
GHI-200	X		X		X	X	X		6	250~400 PS/2 or Mini Redundant					3	
GHI-210	X			12" x 9.6"					3	250~400 PS/2 or Mini Redundant					3	
GH-212ATX	X			12" x 9.6"					3	250~460 PS/2(F)			1	1		
GH-213	X			12" x 9.6"					3	250~400 PS/2 or Mini Redundant					3	
GHI-230	X			12" x 13"					3	250~400 PS/2 or Mini Redundant			1	1		
GH-231ATX	X			12" x 13"					3	250~400 2U					3	
GHI-231	X			12" x 13"					7	250~400 2U					3	
GH-232ATX	X			12" x 13"					3	250~460 PS/2 Special			1	3		
GHI-232	X			12" x 13"					7	250~460 PS/2 Special			1	3		
GH-241ATX	X			12" x 13"					3	250~400 2U					4	
GH-242ATXR	X			12" x 13"					3	300~350 2U Redundant					4	
GH-244ATXR	X			12" x 13"					3	300~350 2U Redundant					4	
GH-245ATX	X			12" x 13"					3	250~400 2U					4	
GHI-250	X			12" x 9.6"					5	250~300 1U					2	
GHI-251	X			12" x 9.6"					7	250~300 1U					2	
GHI-252V	X			12" x 9.6"					7	250~300 1U			2	1		
GHI-252H	X			12" x 9.6"					3	250~300 1U			2	1		
GHI-280	X			12" x 13"					3	600 2U Single or Redundant					4	
GHI-280V	X			12" x 13"					7	600 2U Single or Redundant					4	
GHI-280WV2	X			12" x 13"					6	600 2U Single or Redundant					4	
GHI-281	X			12" x 13"					3	600 2U Single or Redundant					4	
GHI-281V	X			12" x 13"					7	600 2U Single or Redundant					4	
GHI-281WV2	X			12" x 13"					6	600 2U Single or Redundant					4	
GHI-282	X			12" x 9.6"					3	510 2U Single					4	
GHI-282V	X			12" x 9.6"					7	510 2U Single					4	
GHI-283	X			12" x 13"					3	600 2U Single or Redundant					4	
GHI-283V	X			12" x 13"					7	600 2U Single or Redundant					4	
GHI-283WV2	X			12" x 13"					6	600 2U Single or Redundant					4	
GHI-288SR	X		X		X	X	X		6	250~500 PS/2 or Mini Redundant					2	
GHI-289	X		X		X	X	X		6	300~600 2U			1	4		
GHI-290	X			12" x 13"					3	500 2U Redundant					4	
GH-310ATXR	X			12" x 9.6"					7	230~700 PS/2 or Mini Redundant(F)				1	2	
GHI-312	X			12" x 13"					7	460~700 2U Single or Redundant			2		5	
GHI-313	X			12" x 10.5"					7	460~600 2U Single or Redundant				1	2	
GH-341ATX	X			12" x 13"					7	250~700 2U Single or Redundant			2		3	
GHI-350	X			12" x 9.6"					7	300~460 2U Single			2	★1	2	
GHI-380	X			12" x 13"					7	460~650 2U/3U Single or Redundant				1	4	
GHI-381	X			12" x 13"					7	460~650 2U/3U Single or Redundant				1	4	
GHI-390	X			12" x 13"					7	460~650 2U/3U Single or Redundant				1	4	
GH-400ATX	X			12" x 9.6"					7	230~700 PS/2					2	
GH-400S	X		X		X	X	X		14	230~700 PS/2					2	
GH-402ATXR	X			12" x 9.6"					7	230~700 PS/2 or Mini Redundant					2	
GH-402SR	X		X		X	X	X		14.15	230~700 PS/2 or Mini Redundant					2	
GH-403ATXR	X			12" x 9.6"					7	230~700 PS/2 or Mini Redundant					2	
GH-403SR	X		X		X	X	X		14.15	230~700 PS/2 or Mini Redundant					2	
GH-410ATXR	X			12" x 9.6"					7	230~700 PS/2 or Mini Redundant					1+★1	



# Chassis Comparison Chart

Air Flow CFM/EACH	Disk Mounting VD =Vibration Damping					KeyBoard Connector		Dimensions (millimeters/inch)			Front Panel Indicator					Front Panel Controls					
	2.5" Int	3.5" Int	5.25" Int	3.5" F.P.	5.25" F.P.	Front	Rear	Width	Height	Depth	On/ Off	HD Active	Over Heat	Fan Fail	P.S. Status	LAN Active	On/ Off	LAN	USB	Reset	Keylock
7.0	☆1	2	△1	△1		x	x	483/19"	44/1.7"	450/17.7"	x	x					x	x	x		
7.0	☆1	2	△1	△1		x	x	483/19"	44/1.7"	450/17.7"	x	x					x	x	x		
10.8/15.3		2	1	1			x	483/19"	44/1.7"	605/23.8"	x	x					x	x	x		
15.3		2	1	1			x	483/19"	44/1.7"	542/21.3"	x	x					x	x	x		
N/A	1		1	1			x	483/19"	44/1.7"	220/8.7"	x	x					x	x	x		
7.0/8.6		3	△1	△1		x	x	483/19"	44/1.7"	450/17.7"	x	x					x	x	x		
15.3		1	△1	△1			x	483/19"	44/1.7"	407/16.0"	x	x					x	x	x		
15.3		2		1			x	483/19"	44/1.7"	650/25.6"	x	x					x	x	x		
15.3		1	1	1			x	483/19"	44/1.7"	543/21.4"	x	x			x		x	x	x		
7.0/8.6		3	△1	△1			x	483/19"	44/1.7"	650/25.6"	x	x	x	x		x	x				x
7.0/8.6		2	△1	△1			x	483/19"	44/1.7"	650/25.6"	x	x	x	x		x	x				x
15.3	9							483/19"	44/1.7"	650/25.6"	x	x	x	x			x				x
15.3		4	1	1			x	483/19"	44/1.7"	650/25.6"	x	x	x	x		x	x	x	x		
15.3			2	1			x	483/19"	44/1.7"	650/25.6"	x	x	x	x		x	x	x	x		
15.3			2	1			x	483/19"	44/1.7"	650/25.6"	x	x	x	x		x	x	x	x		
7.0	1		1	2			x	483/19"	44/1.7"	520/20.5"	x	x					x				x
15.3		2		△1				483/19"	44/1.7"	700/27.5"	x	x			x		x	x	x		
7.0	1	1	1	1		x	x	483/19"	44/1.7"	431/17"	x	x					x				x
7.0	1	1	1	1		x	x	483/19"	44/1.7"	431/17"	x	x					x				x
42.5		1+☆1	1	△1		x	x	483/19"	88/3.5"	450/17.7"	x	x					x		x	x	
42.5		4	1	△1			x	483/19"	88/3.5"	450/17.7"	x	x					x		x	x	
23.5/42.5		3	1	1			x	483/19"	88/3.5"	501/19.7"	x	x					x				x
42.5		3	1	1			x	483/19"	88/3.5"	450/17.7"	x	x					x				x
23.5/42.5		6	1	1			x	483/19"	88/3.5"	650/25.6"	x	x	x	x			x				x
42.5		3	2	2			x	483/19"	88/3.5"	650/25.6"	x	x					x				x
42.5		3	2	2			x	483/19"	88/3.5"	650/25.6"	x	x					x				x
23.5/42.5		5	1	1			x	483/19"	88/3.5"	650/25.6"	x	x					x				x
23.5/42.5		5	1	1			x	483/19"	88/3.5"	650/25.6"	x	x					x				x
42.5		4	1	1			x	483/19"	88/3.5"	650/25.6"	x	x					x				x
42.5		4	1	1			x	483/19"	88/3.5"	650/25.6"	x	x					x				x
42.5		4	1	1			x	483/19"	88/3.5"	650/25.6"	x	x					x				x
42.5		4	1	1			x	483/19"	88/3.5"	650/25.6"	x	x					x				x
42.5		1	△1	1			x	483/19"	88/3.5"	355/13.9"	x	x			x		x				x
42.5		2		1			x	483/19"	88/3.5"	355/13.9"	x	x			x		x		x	x	
42.5/7.0		3		1			x	483/19"	88/3.5"	355/13.9"	x	x			x		x		x	x	
42.5/7.0		3		1			x	483/19"	88/3.5"	355/13.9"	x	x			x		x		x	x	
42.5		8	△1	△1			x	483/19"	88/3.5"	650/25.6"	x	x	x	x		x	x		x	x	
42.5		8	△1	△1			x	483/19"	88/3.5"	650/25.6"	x	x	x	x		x	x		x	x	
42.5		8	△1	△1			x	483/19"	88/3.5"	650/25.6"	x	x	x	x		x	x		x	x	
42.5		6	△1	1			x	483/19"	88/3.5"	650/25.6"	x	x	x	x		x	x		x	x	
42.5		6	△1	1			x	483/19"	88/3.5"	650/25.6"	x	x	x	x		x	x		x	x	
42.5		6	△1	1			x	483/19"	88/3.5"	650/25.6"	x	x	x	x		x	x		x	x	
42.5		8	△1	△1			x	483/19"	88/3.5"	650/25.6"	x	x	x	x		x	x		x	x	
42.5		8	△1	△1			x	483/19"	88/3.5"	650/25.6"	x	x	x	x		x	x		x	x	
42.5		4	1	2			x	483/19"	88/3.5"	650/25.6"	x	x	x	x		x	x		x	x	
42.5		4	1	2			x	483/19"	88/3.5"	650/25.6"	x	x	x	x		x	x		x	x	
42.5		4	1	2			x	483/19"	88/3.5"	650/25.6"	x	x	x	x		x	x		x	x	
42.5		2	1	1		x	x	483/19"	88/3.5"	526/20.7"	x	x					x				x
42.5	1	6	△1	1		x	x	483/19"	88/3.5"	700/27.5"	x	x	x	x			x		x	x	
42.5		12					x	483/19"	88/3.5"	650/25.6"	x	x	x	x			x				x
42.5		5	1	2			x	483/19"	133/5.2"	526/20.7"	x	x					x				x
42.5		7+☆2	1	2			x	483/19"	133/5.2"	650/25.6"	x	x					x		x	x	x
23.5/51		7+☆2	1	2			x	483/19"	133/5.2"	526/20.7"	x	x			x		x		x	x	x
42.5/51		1	2	2			x	483/19"	133/5.2"	650/25.6"	x	x					x				x
10.8/51		2		1			x	483/19"	133/5.2"	400/15.7"	x	x			x		x				x
7.0/51		12	△1	△1			x	483/19"	133/5.2"	650/25.6"	x	x	x	x		x	x				x
10.8/23.5/42.5		10	△1	1+△1			x	483/19"	133/5.2"	650/25.6"	x	x	x	x		x	x				x
7.0/51		16	△1	△1			x	483/19"	178/7"	650/25.6"	x	x	x	x		x	x				x
42.5		1	1	2			x	483/19"	178/7"	427/16.8"	x	x					x				x
42.5		1	1	2			x	483/19"	178/7"	427/16.8"	x	x					x				x
51			1	3		x	x	483/19"	178/7"	451/17.8"	x	x					x				x
51			1	3		x	x	483/19"	178/7"	451/17.8"	x	x					x				x
51			1	3		x	x	483/19"	178/7"	451/17.8"	x	x					x				x
51			1	3		x	x	483/19"	178/7"	451/17.8"	x	x					x				x
108		1+☆1		3			x	483/19"	178/7"	510/20.1"	x	x					x				x

(F)=Front (H)=Horizontal (V)=Vertical ☆=Optional kit for 3.5" internal Disk Mounting ★= Optional Fan △=For Slim Type Disk

# Chassis Comparison Chart

Model	Mounting Configuration options		Board Options		Bus Architecture				Max. Number of Slots	Power Supply Options		Fan space#					
	Rack	Tower	Wall/ Panel	Passive B/P	ATX/AT	M/B	CPU	ISA		PCI	cPCI H. 100	Watts	P/S Type	4 cm	6 cm	8 cm	9 cm
GH-410SR	X			X			X	X	X		14/15	230~700 PS/2 or Mini Redundant					1+★1
GH-411ATXR	X				12" x 9.6"						7	230~700 PS/2 or Mini Redundant					1+★1
GH-411SR	X			X			X	X	X		14/15	230~700 PS/2 or Mini Redundant					1+★1
GH-414ATXR	X				12" x 9.6"						7	230~700 PS/2 or Mini Redundant					1+★1
GH-414SR	X			X			X	X	X		14/15	230~700 PS/2 or Mini Redundant					1+★1
GH-416ATXR	X				12" x 9.6"						7	230~700 PS/2 or Mini Redundant					1+★1
GH-416SR	X			X			X	X	X		14/15	230~700 PS/2 or Mini Redundant					1+★1
GH-418ATXR	X				12" x 9.6"						7	230~700 PS/2 or Mini Redundant				★3	1
GH-418SR	X			X			X	X	X		14	230~700 PS/2 or Mini Redundant				★3	1
GHI-419ATX	X				12" x 13"						7	230~700 PS/2 or Mini Redundant	★2			2	
GHI-419SR	X			X							14/15	230~700 PS/2 or Mini Redundant	★2			2	
GH-430ATXR	X				12" x 13"						7	300~460 Vertical Redundant(F)			★1		4
GH-430SR	X			X			X	X	X		19	300~460 Vertical Redundant(F)			★1		4
GH-431ATXR	X				12" x 13"						7	230~700 PS/2 or Mini Redundant					4
GH-431SR	X			X			X	X	X		14/15	230~700 PS/2 or Mini Redundant					4
GH-432ATXR	X				12" x 13"						7	230~700 PS/2 or Mini Redundant(F)			★1		4
GH-432SR	X			X			X	X	X		19	230~700 PS/2 or Mini Redundant(F)					4
GHI-440	X				12" x 13"						7	230~700 PS/2 or Mini Redundant	★2				3
GHI-441	X				12" x 13"						7	230~700 PS/2 or Mini Redundant	★2				3
GHI-442	X				12" x 13"						7	230~700 PS/2 or Mini Redundant	★2				3
GHI-480	X				12" x 13"						7	950 Redundant	★2				3
GHI-481	X				12" x 13"						7	950 Redundant	★2				3
GH-520SR	X			X			X	X	X		20	300~400 Vertical Redundant(F) or DC 48V					4
GH-530ATXR	X				12" x 13"						7	300~400 Vertical Redundant(F) or DC 48V					4
GHI-580	X				12" x 13"						7	500 x 2 Redundant			1	2	3
GHI-581	X				12" x 13"						7	500 x 2 Redundant			2	1	3
GHI-583	X				13" x 16"						7	1350 Redundant			3		3
GH-600ATXR	X				12" x 13"						7	300~700 PS/2 or Horizontal Redundant					4
GHI-611	X			X			X	X	X		20	300~550 PS/2 or Horizontal Redundant					4
GH-620SR	X			X			X	X	X		20	250~400 PS/2 or Horizontal Redundant					4
GHI-690	X				13" x 16"						7	1350 Redundant					4
GHI-691	X				13" x 16"						7	1350 Redundant					4
GH-800ATXR	X				12" x 13"						7	300~400 PS/2 or Horizontal Redundant					4 1
GH-820SR	X			X			X	X	X		20	300~400 PS/2 or Horizontal Redundant					4 1
GHI-P01	X				12" x 13"						10	200~600 1U x 10				10+80	
GHB-B04		X	X	X			X	X	X		4	150 Special					1
GHB-B08		X	X	X			X	X	X		8	250~400 PS/2 or Mini Redundant					2
GHB-042		X	X	X			X	X	X		4	200~300 1U					1
GHB-060		X	X	X			X	X	X		6	230~300 PS/2 or Mini Redundant					1
GHB-061		X	X		9.6" x 9.6"						4	250~300 Special					1
GHB-062-6		X	X	X			X	X	X		6	230~300 PS/2 or Mini Redundant					1
GHB-062-8		X	X	X			X	X	X		8	200~350 1U					1
GHB-080		X	X	X			X	X	X		8	230~400 PS/2 or Mini Redundant					1
GHB-082-8		X	X	X			X	X	X		8	200~400 1U					1
GHB-082-10		X	X	X			X	X	X		10	200~300 1U					1
GHB-083-8		X	X	X			X	X	X		8	200~300 1U					1
GHB-083-10		X	X	X			X	X	X		10	200~300 1U					1
GHB-120ATXR		X	X		9.6" x 9.6"						7	230~400 PS/2 or Mini Redundant					1
GHB-120SR		X	X	X			X	X	X		10/12	230~400 PS/2 or Mini Redundant					1
GHC-C01	X				Compact PCI				X		2	200~400 1U		4			
GHC-C02	X				Compact PCI				X		4	200~400 1U				2	
GHC-C03	X				Compact PCI				X		5	300~320 2U				1	1
GHC-C04	X				Compact PCI				X		7	300~320 2U				1	2
GHC-P03	X				Compact PCI				X		9	300~460 PS/2 or Mini Redundant				2	2+1
GHR-219	X				Storage							250~400 PS/2 or Mini Redundant				4	
GHR-420	X				Storage							250~400 PS/2 or Mini Redundant					4
GHR-421	X				Storage							250~400 PS/2 or Mini Redundant					4
GHR-422	X				Storage							230~460 PS/2 or Mini Redundant					2
GHR-2104		X			Storage							250~400 PS/2 or Redundant					2
GHS-1500		X		X	12" x 13"		X	X	X		7~14	250~1200 PS/2 or Redundant					5
GHS-2000		X		X	16" x 13"		X	X	X		7~20	250~1200 PS/2 or Redundant					8 2
SG-1200												250~700 PS/2 or Redundant					
SG-4002XC		X		X	12" x 13"		X	X	X		7~14	300~400 PS/2 or Redundant					4+★4
GT-232XC		X			12" x 13"						7	250~400 PS/2 or Redundant					1+★1
GT-332BC		X			12" x 13"						7	250~400 PS/2			★1		2



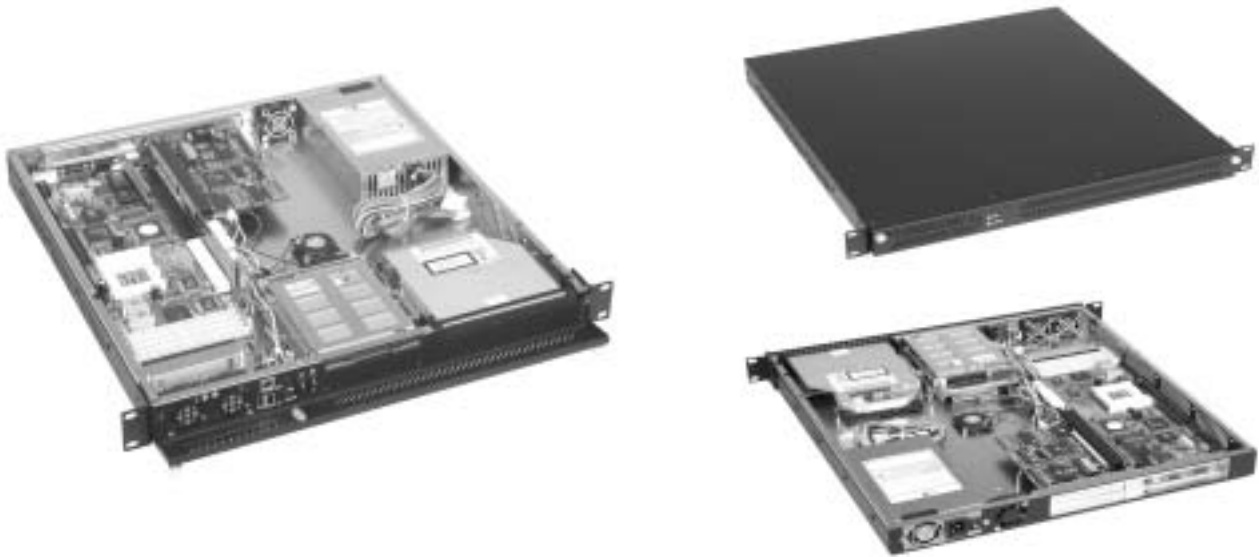
# Chassis Comparison Chart

Air Flow	Disk Mounting VD =Vibration Damping					Keyboard Connector		Dimensions (millimeters/inch)			Front Panel Indicator					Front Panel Controls							
	CFM/EACH	2.5" Int	3.5" Int	5.25" Int	3.5" F.P.	5.25" F.P.	Front	Rear	Width	Height	Depth	On/Off	HD Active	Over Heat	Fan Fail	P.S. Status	LAN Active	On/Off	LAN	USB	Reset	Keylock	
108		1+☆1				3□		x	483/19"	178/7"	510/20.1"	x	x					x		□	x	x	
108		☆1	1			4□	x	x	483/19"	178/7"	510/20.1"	x	x					x		□	x	x	
108		☆1	1			4□	x	x	483/19"	178/7"	510/20.1"	x	x					x		□	x	x	
108		☆1	1			3□		x	483/19"	178/7"	510/20.1"	x	x					x		□	x	x	
108		☆1	1			3□		x	483/19"	178/7"	510/20.1"	x	x					x		□	x	x	
108		☆1	1			3□		x	483/19"	178/7"	510/20.1"	x	x					x		□	x	x	
32/90□		2	1			3□		x	483/19"	178/7"	510/20.1"	x	x					x		□	x	x	
32/90□		2	1			3		x	483/19"	178/7"	510/20.1"	x	x					x			x	x	
23.5/51□		5	1			2□		x	483/19"	178/7"	510/20.1"	x	x					x		x	x	x	
23.5/51□		5	1			2		x	483/19"	178/7"	510/20.1"	x	x			□		x		x	x	x	
42.5/51□		☆2	1			3□		x	480/18.9"	178/7"	671/26.4"	x	x					x			x	x	
42.5/51□		☆2	1			3□		x	480/18.9"	178/7"	671/26.4"	x	x					x			x	x	
51□		1+☆2	1□			6□		x	480/18.9"	178/7"	671/26.4"	x	x					x			x	x	
51□		1+☆2	1□			6□		x	480/18.9"	178/7"	671/26.4"	x	x					x			x	x	
51□		2+☆2	1□			3□		x	480/18.9"	178/7"	671/26.4"	x	x					x			x	x	
51□		2+☆2	1□			3□		x	480/18.9"	178/7"	671/26.4"	x	x					x			x	x	
90		4	1			8		x	483/19"	178/7"	624/24.5"	x	x			x	x	x			x	x	
90		4	1			8		x	483/19"	178/7"	574/22.5"	x	x			x	x	x			x	x	
90						10		x	483/19"	178/7"	624/24.5"	x	x			x	x	x			x	x	
23.5/90□		☆2□	16□			△1□	△1□		x	480/18.9"	178/7"	650/25.6"	x	x	x	x		x			x	x	
23.5/90□		☆2□	14□			△1	1+△1□		x	480/18.9"	178/7"	650/25.6"	x	x	x	x		x			x	x	
51□		□	□			1□	4□		x	483/19"	222/8.7"	671/26.4"	x	x	x	x	x				x	x	
51□		□	□			1	4□		x	483/19"	222/8.7"	671/26.4"	x	x	x	x	x				x	x	
23.5/42.5/90		□	24+☆2□			△1	△1□		x	483/19"	222/8.7"	650/25.6"	x	x	x	x		x□			x	x	
23.5/42.5/90		□	22+☆2□			△1	△1		x	483/19"	222/8.7"	650/25.6"	x	x	x	x		x□			x	x	
23.5/42.5/90□		□	24			△1	△1		x	483/19"	222/8.7"	650/25.6"	x	x	x	x		x□			x	x	
51□		□				1	7□		x	483/19"	267/10.5"	671/26.4"	x	x	x	x	x	□			x	x	
51□		□	1□			1	4□		x	483/19"	267/10.5"	671/26.4"	x	x	x	x	x	□			x	x	
51		□	□			1	7□		x	483/19"	267/10.5"	671/26.4"	x	x	x	x	x	□			x	x	
51		□	□			36			x	483/19"	267/10.5"	671/26.4"	x	x	x	x	x	□			x		
51□		□				36			x	483/19"	267/10.5"	671/26.4"	x	x	x	x	x	x			x		
51/108□						1	7□		x	483/19"	356/14"	510/20.1"	x	x	x	x	x				x	x	
51/108□						1	7□		x	483/19"	356/14"	510/20.1"	x	x	x	x	x				x	x	
8/15□		20□				□		x		483/19"	356/14"	830/32.7"	x	x					x	x□	□	x	x□
51□		1□				1	□	x	x□	110/4.3"	267/10.5"	450/17.7"	x	x		□				x□		x□	
51		1□				1	1□	x	x	220/8.7"	267/10.5"	450/17.7"	x	x									
51□		1				1		x	x	110/4.3"	267/10.5"	450/17.7"	x	x			□	□				x	
90□		☆1□				1	1□	x	x	307/12.1"	177/7"	420/16.5"	x	x	x	x	x				x		
51		1□				1	1□	x	x	307/12.1"	177/7"	420/16.5"	x	x	x	x	x				x		
90		☆1				1	1	x	x	307/12.1"	177/7"	420/16.5"	x	x	x	x	x				x		
90□		☆1				1	1	x	x	307/12.1"	177/7"	420/16.5"	x	x	x	x	x				x		
90□		1□				1□	2□	x	x	350/13.8"	177/7"	420/16.5"	x	x	x	x	x				x		
90		1				1	2	x	x	350/13.8"	177/7"	411/16.1"	x	x	x	x	x				x		
90		1				1	2	x	x	350/13.8"	177/7"	411/16.1"	x	x	x	x	x				x		
90						1		x	x	280/11"	237/9.3"	260/10.2"	x	x				x			x	x	
90						1		x	x	280/11"	237/9.3"	260/10.2"	x	x				x			x	x	
90□		1□				2	2□	x	x	400/15.7"	177/7"	420/16.5"	x	x	x	x					x		
90□		1□				2	2□	x	x	400/15.7"	177/7"	420/16.5"	x	x	x	x					x		
10.8□		□				□			□	483/19"	44/1.7"	323/12.7"	x	x							x		
42.5□		1□				□			□	483/19"	88/3.5"	296/11.7"	x	x							x		
42.5/51□		1□				△1	△1□		□	483/19"	133/5.2"	296/11.7"	x	x							x		
42.5/51□		2□				△1	△1□		□	483/19"	178/7"	296/11.7"	x	x							x		
32.5/51/90□		□				1□	3□		□	483/19"	355/14"	365/14.4"	x	x							x		
42.5□		9□				□			□	483/19"	88/3.5"	450/17.7"	x	x	x	x					x		
51□		□				2□	6□		□	483/19"	177/7"	510/20.1"	x	x							x	x	
51□		□				□	8□		□	483/19"	177/7"	510/20.1"	x	x							x	x	
51□		□				□	9□		□	483/19"	177/7"	510/20.1"	x	x	x	x					x		
51□		□				□	12□		□	200/7.9"	608/24"	435/17.1"	x	x			x				x	x	
51□		□				□	15□		x□	410/16.2"	416/16.4"	710/28"	x	x	x	x	x			x□	x	x	
51/108□		□				□	23□		x□	410/16.2"	600/23.6"	710/28"	x	x	x	x	x				x	x	
51□						16□			x□	424/16.7"	605/23.8"	435/17.1"	x	x			x				x	x	
51□		2□				3□	2□		x□	212/8.4"	455/17.9"	435/17.2"	x	x							x		
23.5/51		4				2	4		x	212/8.4"	605/23.8"	435/17.2"	x	x							x		

(F)=Front (H)=Horizontal (V)=Vertical ☆=Optional kit for 3.5" internal Disk Mounting ★= Optional Fan △=For Slim Type Disk

# GHI-100/101

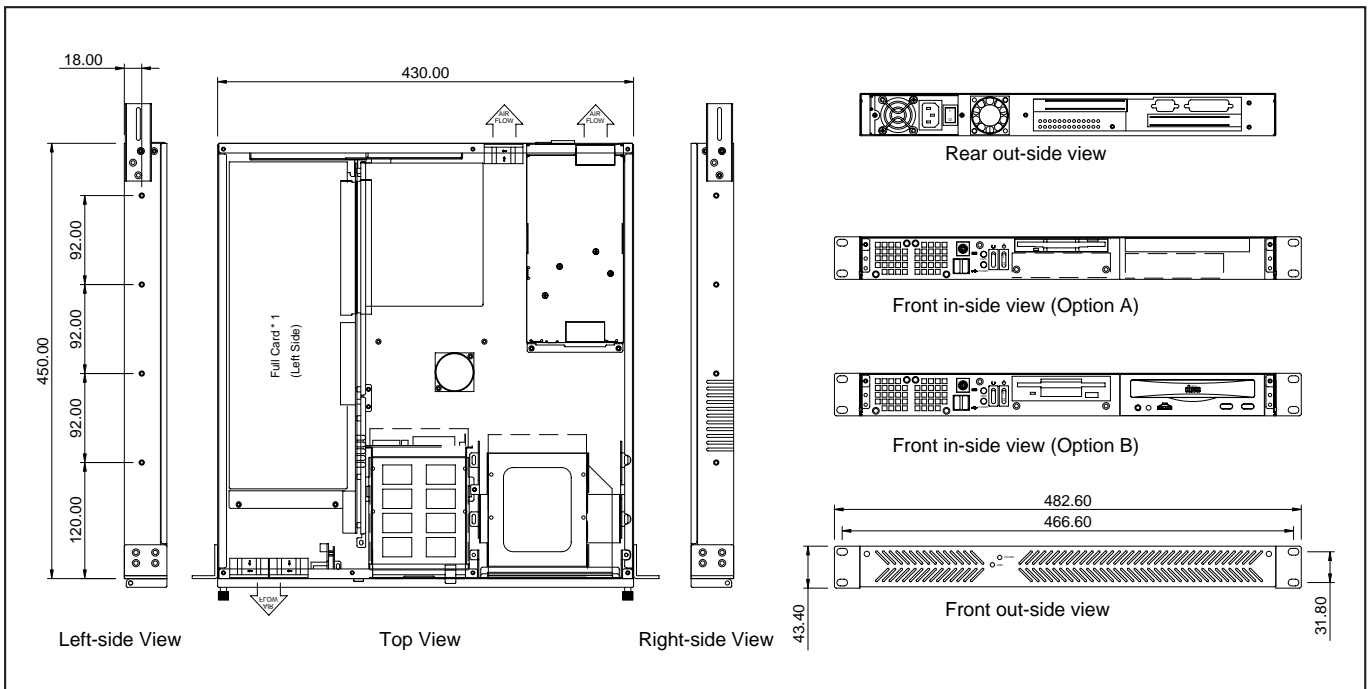
## 1U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (standard), Beige or Custom
- **System Board Supported:** 2 slot (GHI-100) or 3 slot (GHI-101) Passive Backplane
- **Drive Capacity:** (Option A): 1x Slim CD-ROM, 3.5" HDD, & 1x Slim FDD, 3.5" HDD & 1x2.5"HDD(Optional) (Option B): 1x 5.25" & 1x 3.5" & 1x 2.5"HDD(Optional)
- **Power Supply(Optional):** 1U Single up to 350W ATX P/S (Rear Installation) Max. Depth 205mm
- **Cooling:** 3x (40x20mm = 7CFM ea.) Fans
- **Front Door:** Single Door with 2 Thumbscrews
- **Connector Port (Front):** 2x USB & 1x PS/2 Ports
- **Indicators:** LEDs for Power ON/OFF, HDD Activity
- **Switch:** Power ON/OFF Momentary (Rocker), System Reset
- **Dimensions (WxHxD):** 483x44x450mm (19" x 1.7" x 17.7")
- **Cuft:** 2.3
- **GW:** 10.0kgs / 22.1lbs
- **Carton Size(cm):** 61.5 x 17.9 x 60.0 (24.2" x 7.0" x 23.6")
- **Humidity:** 5% - 95% Non-condensing

### Dimension





# GHI-104/104DX

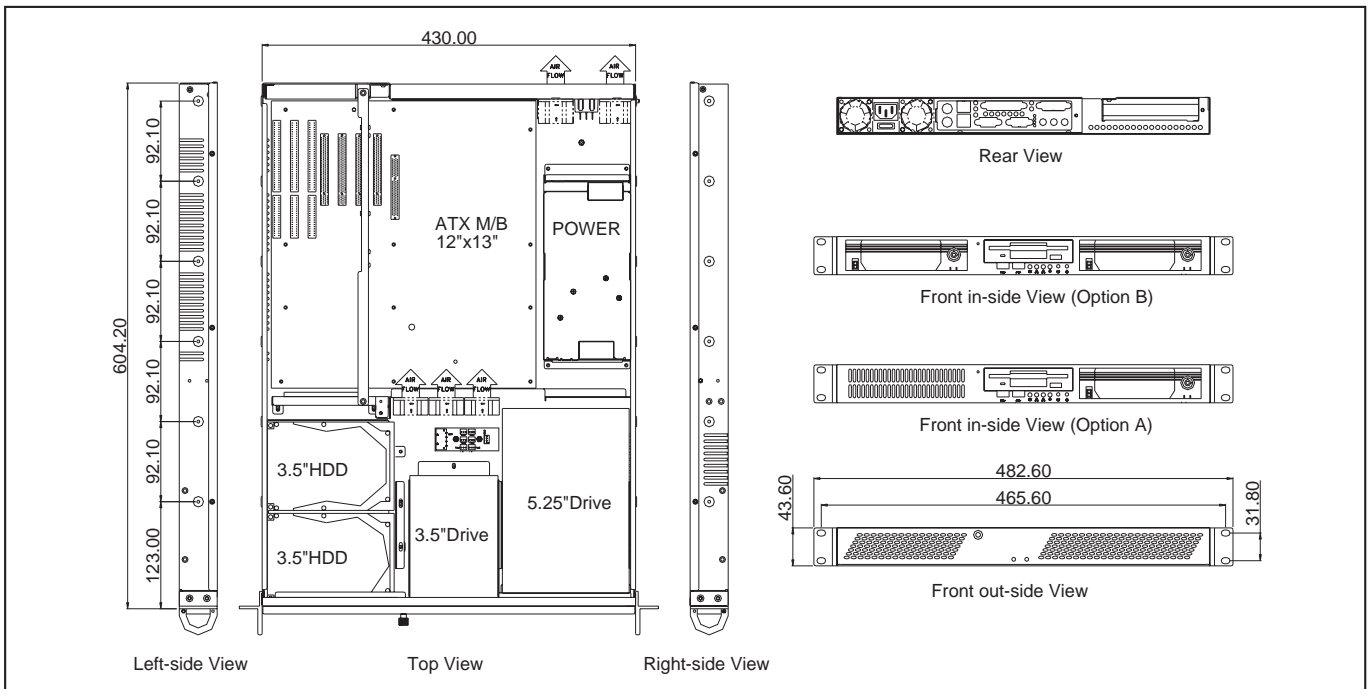
## 1U Rackmount Chassis



### Specifications

- **EIA RS-310C 19"Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Dual Xeon, Pentium 4, Athlon 64, Dual Operton
- **Support EATX M/B (12"x 13") SSI EEB 3.0**
- **Drive Capacity:**  
(Option A): 1x 5.25" & 1x 3.5" & 2x 3.5"HDD  
(Option B): 2x 5.25" & 1x 3.5"
- **Power Supply(Optional):** 1U Single up to 500W ATX P/S(Mid Installation) Max. Depth 225mm
- **Cooling:** 3x(40 x 20mm) Fans(7.0CFM ea.) & 2x (40 x28mm) Fans(15.3CFM ea.)(GHI-104)OR 5x (40 x 28mm = 15.3CFM ea.) Fans (GHI-104DX)
- **Front Door:** Single Door with 1 Thumbscrew
- **Riser Card:** GHP-141 (32bit) or GHP-R0103 (64bit) (Optional)
- **Connector Port(Front):** 2x USB Ports
- **Expansion Slots:** 1x Horizontal PCI Slot
- **Indicators:** LEDs for Power ON/OFF, HDD Activity
- **Switch:** Power ON/OFF Momentary (Square), System Reset
- **Dimensions (WxHxD):** 483x44x605mm(19" x 1.7" x 23.8")
- **Cuft:** 2.8
- **GW:** 10.0kgs / 22.1lbs
- **Carton Size(cm):** 74.5 x 18.5 x 57.3 (29.7" x 7.3" x 22.6")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GHI-105/105DX

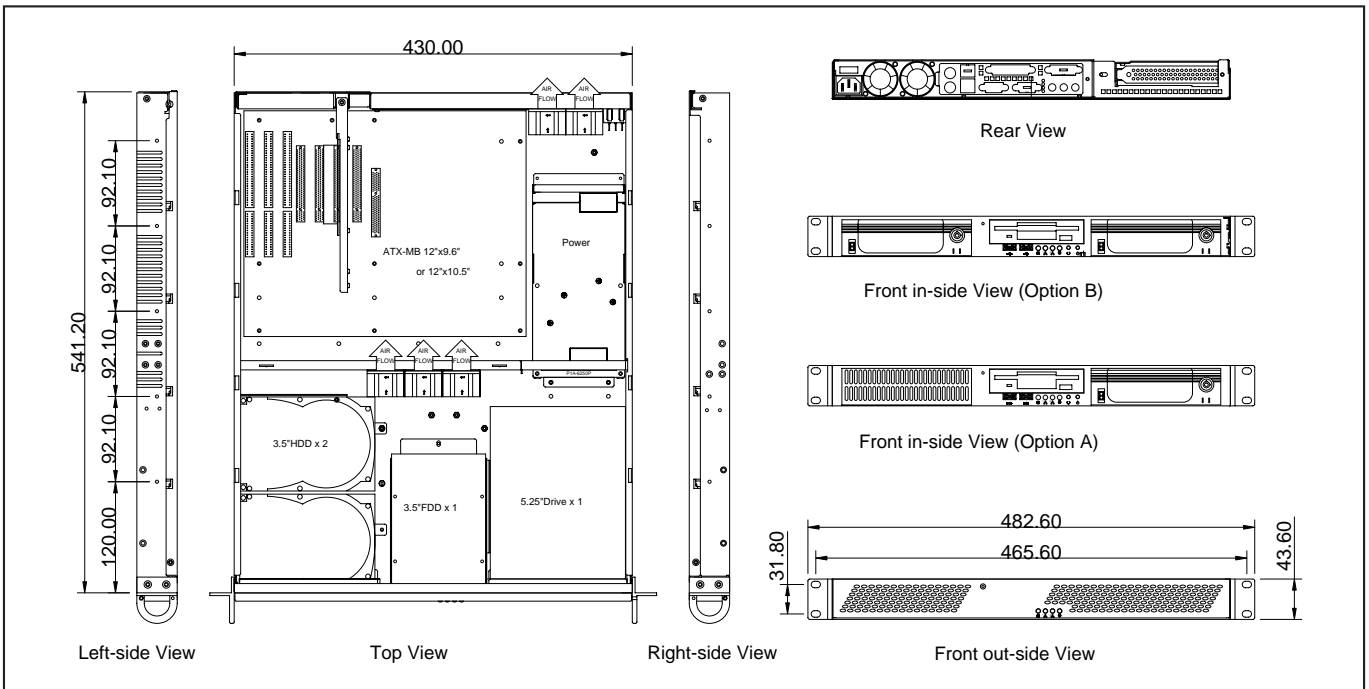
## 1U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Dual Xeon, Pentium 4, Athlon 64, Opteron
- **Support ATX M/B (Max. to 12" x 10.5")**
- **Drive Capacity:**  
(Option A): 1x 5.25" & 1x 3.5" & 2x 3.5"HDD  
(Option B): 2x 5.25" & 1x 3.5"
- **Power Supply(Optional):** 1U Single up to 500W ATX P/S(Mid Installation) Max. Depth 215mm
- **Cooling:** 3x (40 x 20mm = 7CFM ea.) & 2x (40 x 28mm = 15.3CFM ea.) Fans (GHI-105), 5x(40 x 28mm = 15.3CFM ea.) Fans (GHI-105DX), Extra 2x40mm Mid Installation Fans (Optional)
- **Front Door:** Single Door with 1 Thumbscrew
- **Riser Card:** GHP-141 (32bit) or GHP-R0103 (64bit) (Optional)
- **Connector Port(Front):** 2x USB Ports
- **Expansion Slots:** 1x Horizontal PCI Slot
- **Indicators:** LEDs for Power ON/OFF, HDD Activity
- **Switch:** Power ON/OFF Momentary (Square), System Reset
- **Dimensions(WxHxD):** 483x44x542mm(19" x 1.7" x 21.3")
- **Cuft:** 2.6
- **GW:** 14.0kgs / 30.9lbs
- **Carton Size(cm):** 68.5 x 18.5 x 57.3 (27" x 7.3" x 22.6")
- **Humidity:** 5% - 95% Non-condensing

### Dimension





# GHI-106

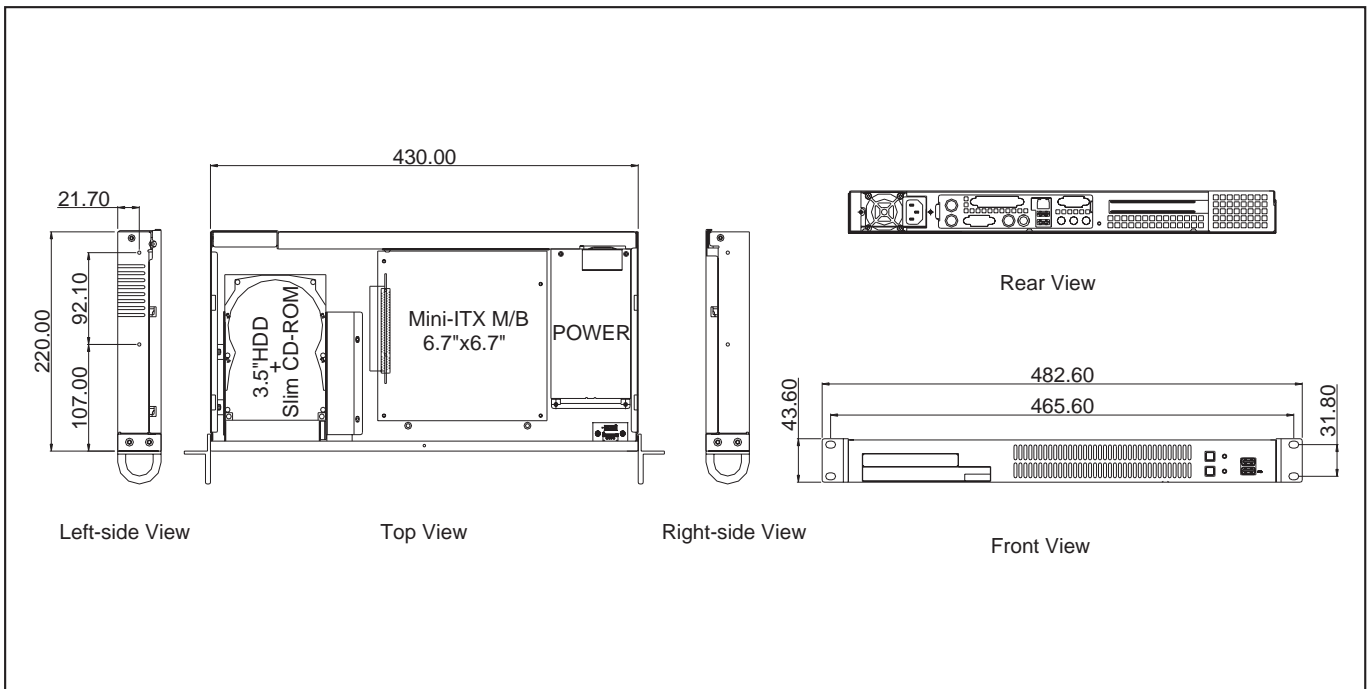
## 1U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **Support Mini-ITX M/B (Max. to 6.7"X 6.7")**
- **Drive Capacity:**  
(Option A): 1x Slim CD-ROM, 1x Slim FDD, 1x 2.5"HDD  
(Option B): 1x Slim CD-ROM, 1x 3.5" HDD
- **Power Supply(Optional):** 1U Single 200W ATX P/S(Rear Installation) Max. Depth 150mm
- **Riser Card:** GHP-141 (Optional)
- **Connector Port(Front):** 2xUSB Ports
- **Indicators:** LEDs for Power ON/OFF, HDD Activity
- **Switch:** Power ON/OFF Momentary (Square), System Reset
- **Dimensions (WxHxD):** 483x43x220mm(19" x 1.7" x 8.7")
- **Cuft:** 1.3
- **GW:** 4.8kgs / 10.6lbs
- **Carton Size(cm):** 57.3 x 18.5 x 35.5 (22.6" x 7.3" x 14.0")
- **Humidity :** 5% - 95% Non-condensing

### Dimension



# GHI-110

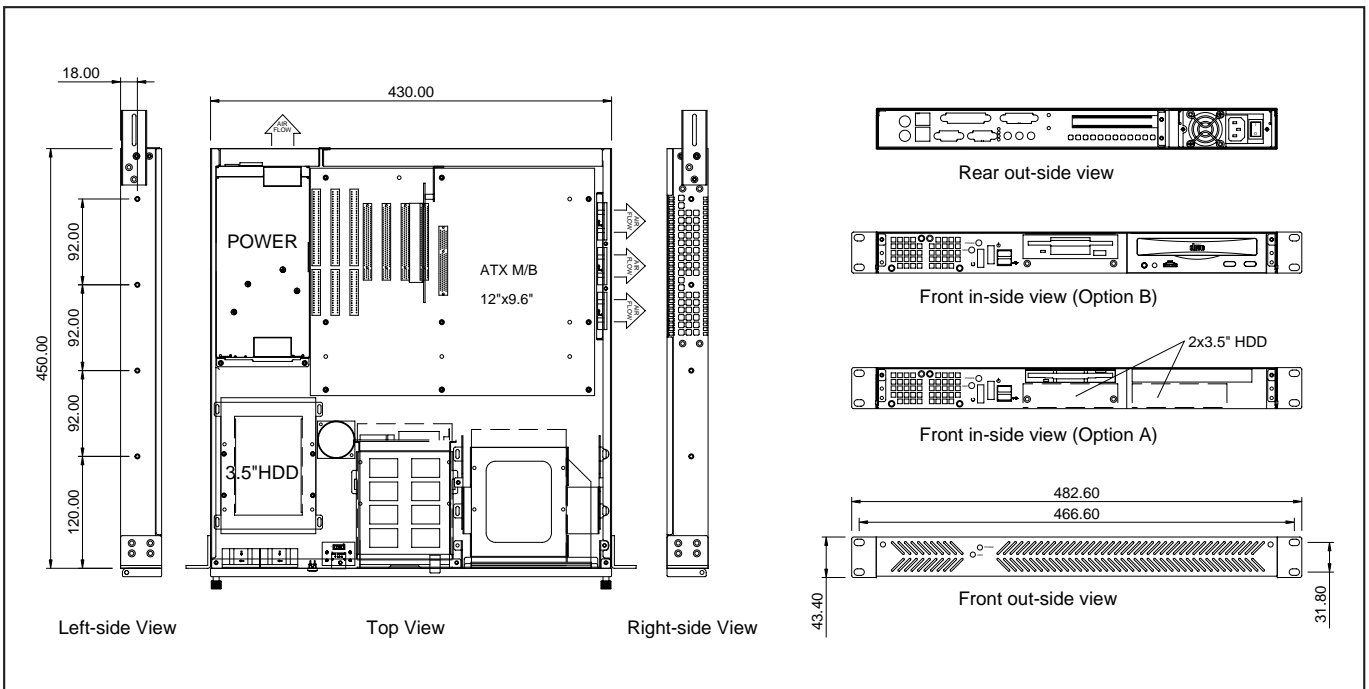
## 1U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4
- **Support ATX M/B (Max. to 12" x 9.6")**
- **Drive Capacity:** (Option A): 1x Slim CD-ROM, 3.5"HDD & 1x Slim FDD, 3.5"HDD & 1x 3.5"HDD  
(Option B): 1x5.25" & 1x3.5"FDD & 1x3.5"HDD
- **Power Supply(Optional):** 1U Single up to 350W ATX P/S(Rear Installation) Max. Depth 205mm
- **Cooling:** 2x (40 x 20mm = 7CFM ea.) & 3x (40 x 10mm) Fans
- **Front Door:** Single Door With 1 Thumbscrew
- **Riser Card:** GHP-141 (32Bit) or GHP-R0103(64Bit) (Optional)
- **Connector Port(Front):** 2x USB & 1x PS2 Ports
- **Expansion Slots:** 1x Horizontal PCI Slot
- **Indicators:** LEDs for Power ON/OFF, HDD Activity
- **Switch:** Power ON/OFF Momentary (Rocker), System Reset
- **Dimensions (WxHxD):** 483x44x450mm(19" x 1.7" x 17.7")
- **Cuft:** 2.3
- **GW:** 10.0kgs / 22.1lbs
- **Carton Size(cm):** 61.5 x 17.9 x 60 (24.2" x 7.1" x 23.6")
- **Humidity :** 5% - 95% Non-condensing

### Dimension





# GHI-112

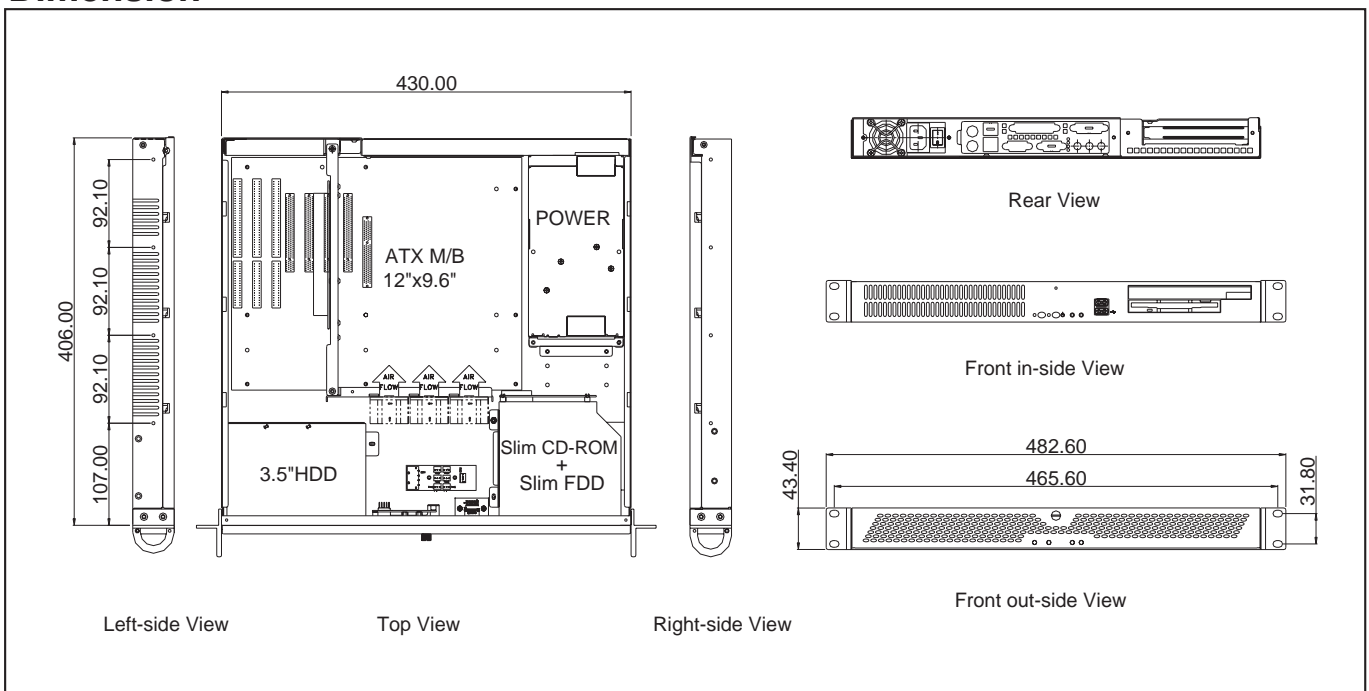
## 1U Rackmount Chassis



### Specifications

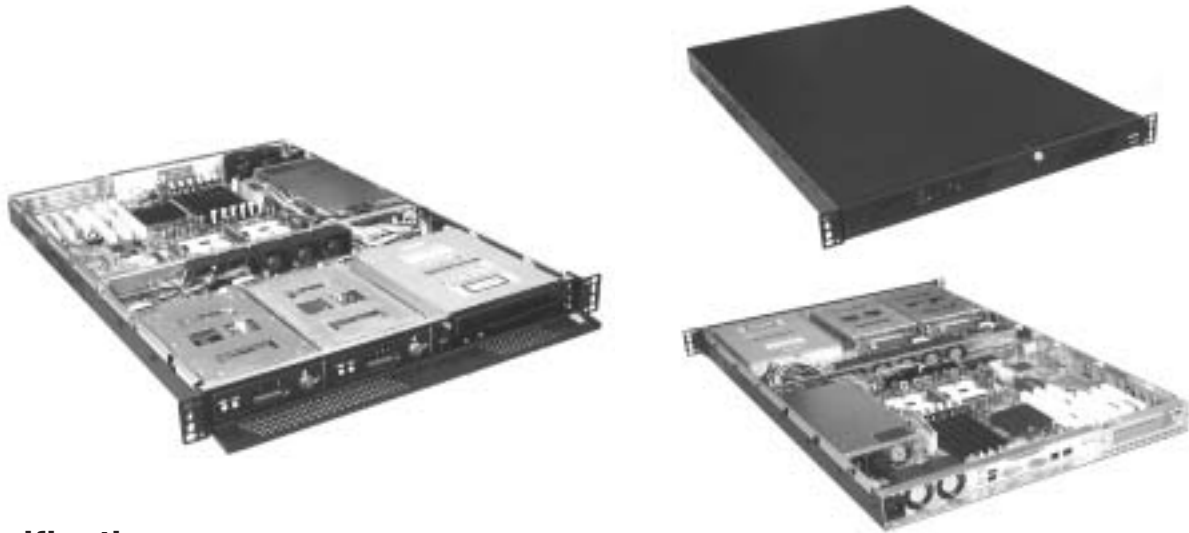
- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Dual Xeon, Athlon 64, Opteron
- **Support ATX M/B (Max. to 12" x 9.6")**
- **Drive Capacity:** 1x Slim CD-ROM & 1x Slim FDD & 1x 3.5"HDD
- **Power Supply(Optional):** 1U Single up to 350W ATX P/S (Rear Installation) Max. Depth 205mm
- **Cooling:** 3x (40 x 28mm = 15.3CFM ea.) Fans
- **Connector Port(Front):** 2x USB Ports
- **Front Door:** Single Door With 1 Thumbscrew
- **Riser Card:** GHP-141 (32bit) or GHP-R0103 (64bit) (Optional)
- **Expansion Slots:** 1x Horizontal PCI Slot
- **Indicators:** LEDs for Power ON/OFF, HDD Activity
- **Switch:** Power ON/OFF Momentary (Oval), System Reset
- **Dimensions (W x H x D):** 483 x 44 x 407mm (19" x 1.7" x 16.0")
- **Cuft:** 2.1
- **GW:** 7.0kgs / 15.4lbs
- **Carton Size(cm):** 58.0 x 18.5 x 55.5 (22.8" x 7.3" x 21.9")
- **Humidity :** 5% - 95% Non-condensing

### Dimension



# GHI-113

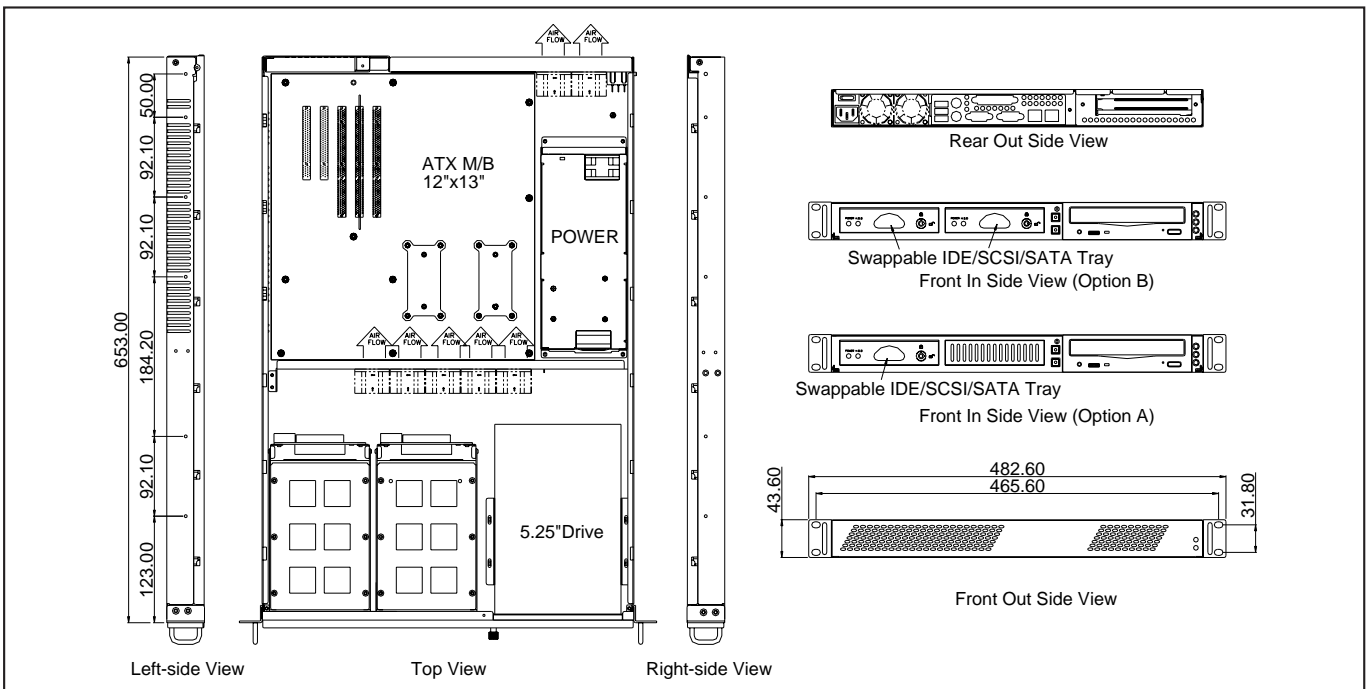
## 1U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Dual Xeon, Pentium 4, Athlon 64, Dual Opteron
- **Support EATX M/B (Max. to 12" x 13") SSI EEB 3.0**
- **Drive Capacity:**  
(Option A): 1x 5.25", 1x 3.5" Open & 1x 3.5" Swappable  
(Option B): 1x 5.25" & 2x 3.5" Swappable
- **Drive Interface:** PATA, SATA, SCSI320
- **Power Supply(Optional):** 1U Single up to 500W ATX P/S(Mid Installation) Max. Depth 250mm
- **Cooling:** 7x (40 x 28mm = 15.3CFM ea.) Fans
- **Front Door:** Single Door with 1 Thumbscrew
- **Riser Card:** GHP-141 (32bit) or GHP-R0103 (64bit) (Optional)
- **Connector Port(Front):** 2x USB Ports
- **Expansion Slots:** 1x Horizontal PCI Slot
- **Indicators:** LEDs for Power ON/OFF, HDD Activity
- **Switch:** Power ON/OFF Momentary (Square), System Reset
- **Dimensions (WxHxD):** 483x44x650mm(19" x 1.7" x 25.6")
- **Cuft:** 3.1
- **GW:** 14.5kgs / 32lbs
- **Carton Size(cm):** 59.4 x 18.2 x 81.8 (23.4" x 7.2" x 32.2")
- **Humidity:** 5% - 95% Non-condensing

### Dimension





# GHI-114

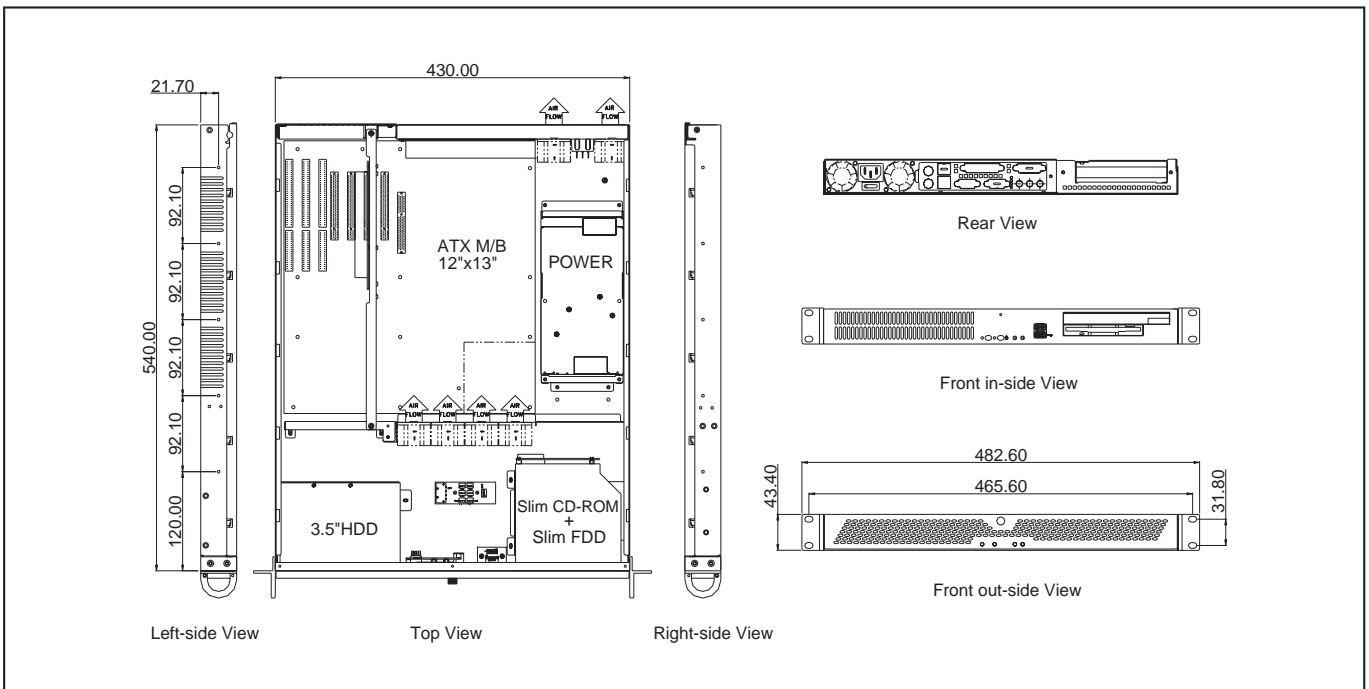
## 1U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Dual Xeon, Pentium 4, Athlon 64, Dual Opteron
- **Support EATX M/B (Max. to 12" x 13") SSI EEB 3.0**
- **Drive Capacity:** 1x Slim CD-ROM & 1x Slim FDD & 1x 3.5" HDD
- **Power Supply(Optional):** 1U Single up to 500W ATX P/S(Mid Installation) Max. Depth 225mm
- **Cooling:** 6x (40 x 28mm = 15.3CFM ea.) Fans
- **Front Door:** Single Door with 1 Thumbscrew
- **Riser Card:** GHP-141(32bit) or GHP-R0103(64bit) (Optional)
- **Connector Port(Front):** 2x USB Ports
- **Expansion Slots:** 1xHorizontal PCI Slot
- **Indicators:** LEDs for Power ON/OFF, LAN, HDD Activity
- **Switch:** Power ON/OFF Momentary (Oval), System Reset
- **Dimensions (WxHxD):** 483x44x543mm(19" x 1.7" x 21.4")
- **Cuft:** 2.5
- **GW:** 10.0kgs / 22.1lbs
- **Carton Size(cm):** 67.1 x 18.5 x 56.0 (26.4" x 7.3" x 22.1")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GHI-130

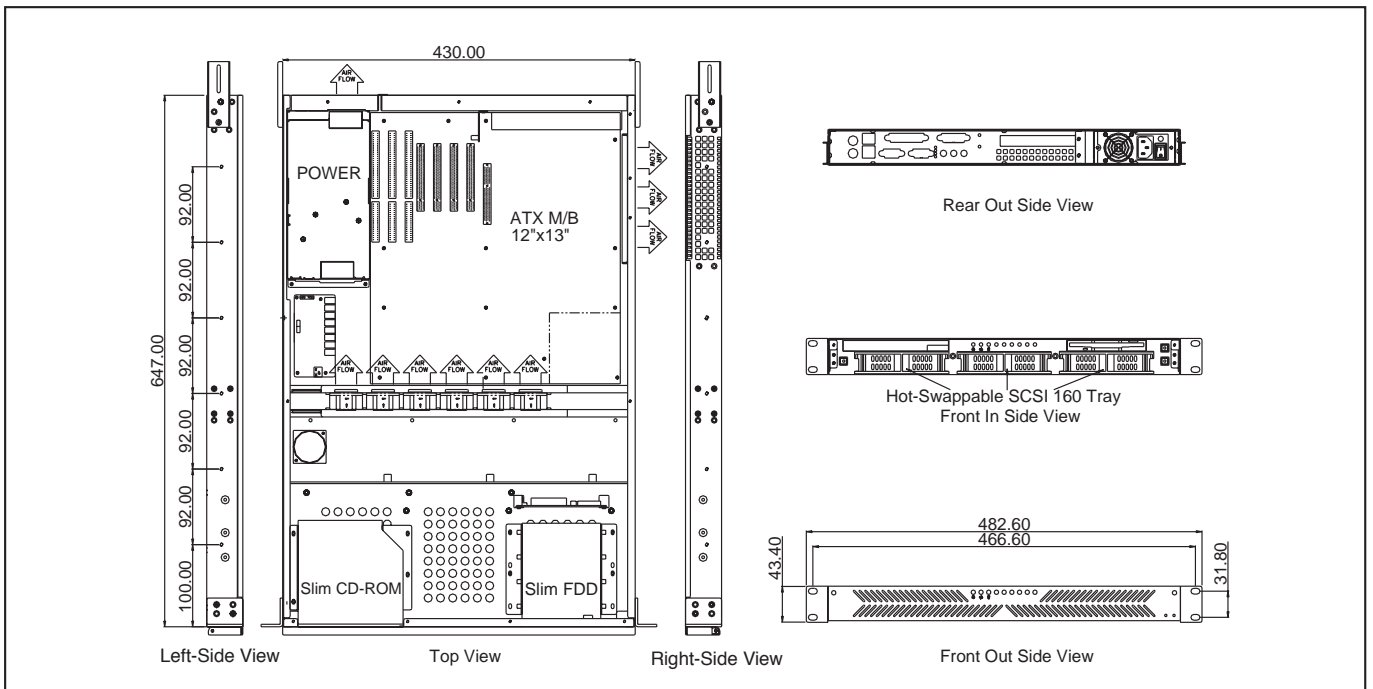
## 1U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Dual Pentium III
- **Support EATX M/B (Max. to 12" x 13")**
- **Drive Capacity:** 1x Slim CD-ROM & 1x Slim FDD & 3x 3.5" Hot Swappable SCSI 320 Trays
- **Drive Interface:** SCSI320
- **Power Supply(Optional):** 1U Single up to 300W ATX P/S(Rear Installation) Max. Depth 205mm
- **Cooling:** 6x (40 x 20mm = 7CFM ea.) & 3x (40 x 10mm) Fans
- **Front Door:** Single Door with 2 Thumbscrews
- **Riser Card:** GHP-141 (32bit) or GHP-R0103 (64bit) (Optional)
- **Expansion Slots:** 1x Horizontal PCI Slot
- **Thermal Management Card:** GHA-CO02
- **Indicators:** LEDs for Power ON/OFF, LAN, HDD Activity, Fans, Temperature
- **Switch:** Power ON/OFF Momentary (Square), System Reset, Buzzer Reset
- **Dimensions (WxHxD):** 483x44x650mm (19" x 1.7" x 25.6")
- **Cuft:** 3.1
- **GW:** 14.5kgs / 32.0lbs
- **Carton Size(cm):** 59.4 x 18.2 x 81.8 (23.4" x 7.2" x 32.2")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GHI-142

## 1U Rackmount Chassis

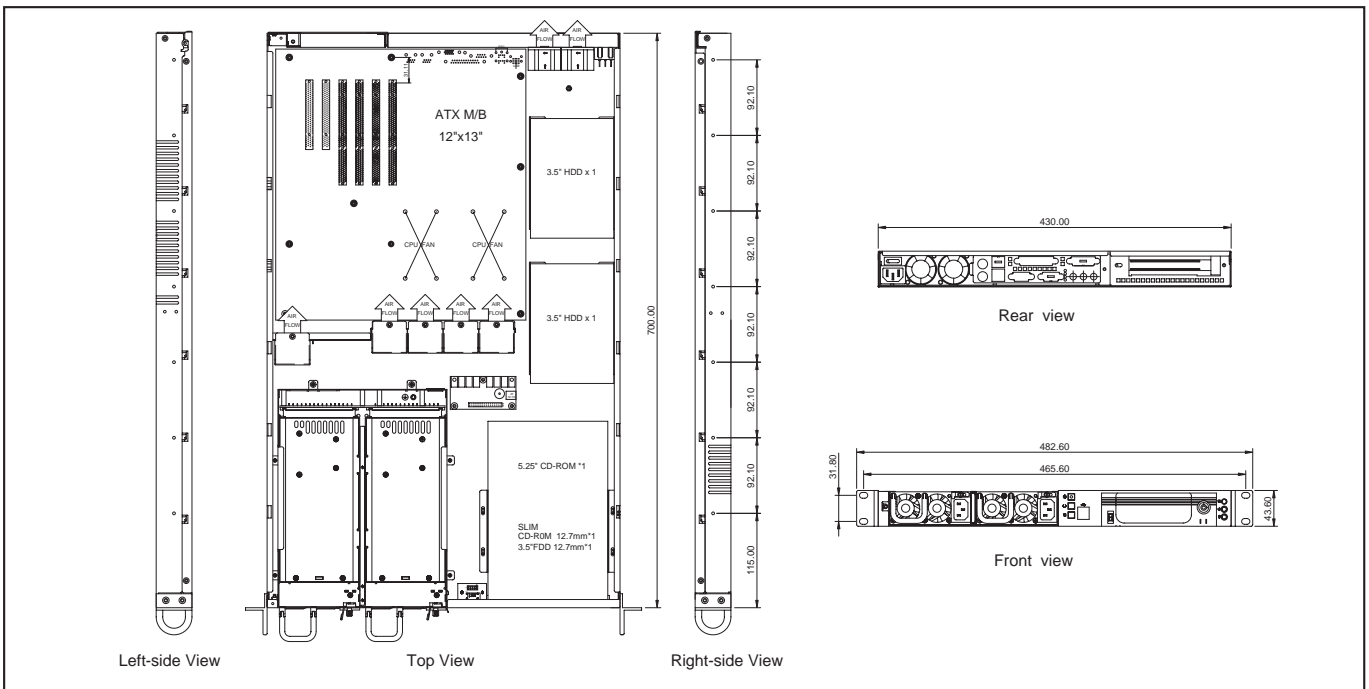


19" Rackmount

### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **Support EATX M/B (Max. to 12" x 13")**
- **Drive Capacity:** 1x Slim CD-ROM & 1x Slim FDD (or 1x5.25" CD-ROM) & 2x 3.5" HDD
- **Power Supply(Optional):** 1U Redundant up to 400W ATX P/S(Front Installation)
- **Cooling:** 7x (40 mm = 15.3CFM ea.) Fans
- **Connector Port(Front):** 2x USB Ports
- **Riser Card:** GHP-141(32bit) or GHP-R0103(64bit) (Optional)
- **Expansion Slots:** 1x Horizontal PCI Slot
- **Thermal Management Card:** GHA-CO04
- **Indicators:** LEDs for Power ON/OFF, LAN, HDD Activity, Fans, Temperature
- **Switch:** Power ON/OFF Momentary (Rocker), System Reset, Buzzer Reset
- **Dimensions (WxHxD):** 483x44x650mm (19" x 1.7" x 25.6")
- **Cuft:** 3.1
- **GW:** 14.5kgs / 32.0lbs
- **Carton Size(cm):** 59.4 x 18.2 x 81.8(23.4" x 7.2" x 32.2")
- **Humidity:** 5% - 95% Non-condensing

### Dimension





# GHI-160

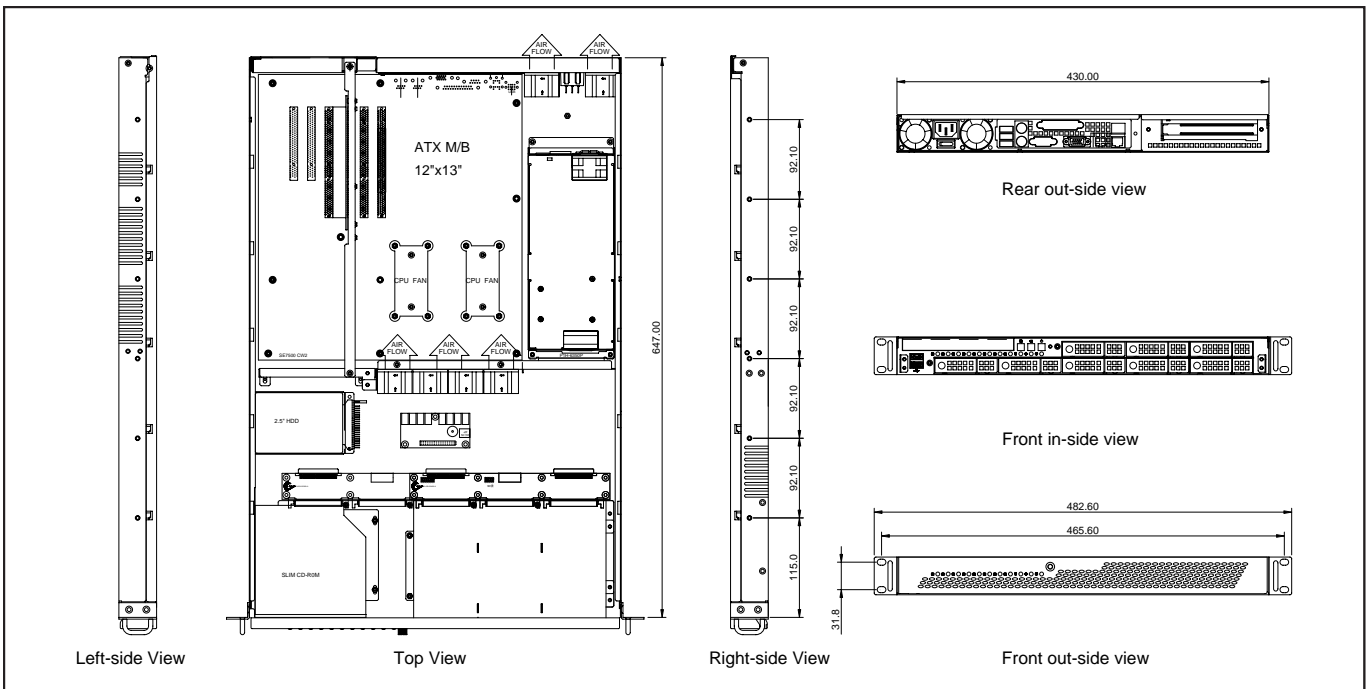
## 1U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Dual Xeon, Athlon 64, Dual Opteron
- **Supports EATX M/B (Max. to 12" x 13") SSI EEB 3.0**
- **Drive Capacity:** 8x Hot Swap 2.5" Drive Tray & 1x Slim CD-ROM & 1x 2.5"HDD
- **Drive Interface:** SCSI320
- **Power Supply (Optional):** 1U Single up to 500W ATX P/S (Mid Installation) Max. Depth 225mm
- **Cooling:** 6x (40x28mm = 15.3CFM ea.) Fans
- **Front Door:** Single Door with 1 Thumbscrew
- **Riser Card:** GHP-141 (32bit) or GHP-R0103 (64bit) (Optional)
- **Connector Port (Front):** 2x USB Ports
- **Expansion Slots:** 1x Horizontal PCI Slot
- **Thermal Management Card:** GHA-CO02
- **Indicators:** LEDs for Power ON/OFF, HDD Activity of 8 Drives, Fan, Temperature
- **Switch:** Power ON/OFF Momentary (Pushbutton), System Reset, Buzzer Reset
- **Dimensions (WxHxD):** 483x44x650mm(19" x 1.75" x 25.6")
- **Cuft:** 6.8
- **GW:** 12.8kgs / 28.2 lbs
- **Carton Size (cm):** 59.4 x 18.2 x 81.8 (23.4" x 7.2" x 32.2")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GHI-180

## 1U Rackmount Chassis

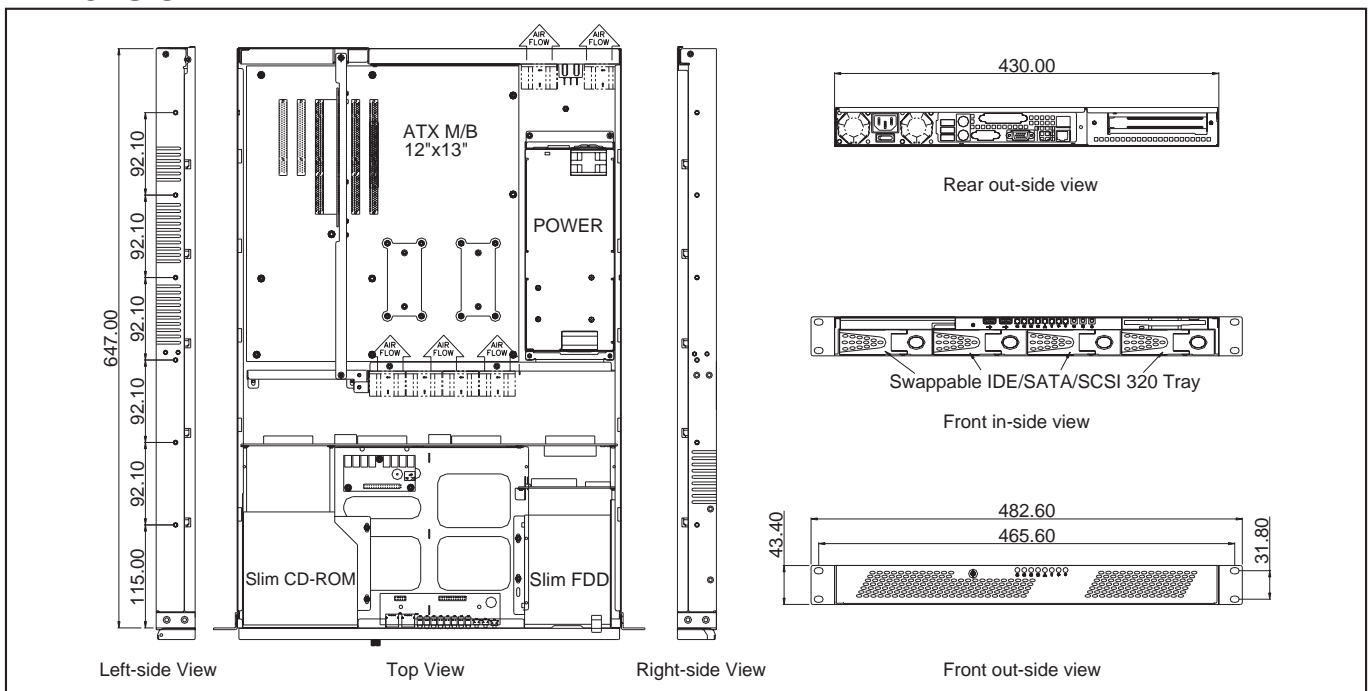


19" Rackmount

### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Dual Xeon, Dual Operton, Pentium 4, Dual Pentium III
- **Support EATX M/B (Max. to 12" x 13") SSI EEB 3.0**
- **Drive Capacity:** 1x Slim CD-ROM & 1x Slim FDD & 4x 3.5"Swappable
- **Drive Interface:** PATA, SATA, SCSI320 or Multilane SATA
- **Power Supply(Optional):** 1U Single up to 400W ATX P/S(Mid Installation) Max. Depth 225mm
- **Cooling:** 6x (40 x 28mm = 15.3CFM ea.) Fans
- **Front Door:** Single Door with 1 Thumbscrew
- **Riser Card:** GHP-141 (32bit) or GHP-R0103 (64bit) (Optional)
- **Connector Port(Front):** 2x USB Ports
- **Expansion Slots:** 1x Horizontal PCI Slot
- **Indicators:** LEDs for Power ON/OFF, LAN, HDD Activity, Fans, Temperature
- **Switch:** Power ON/OFF Momentary (Pushbutton), System Reset, Buzzer Reset
- **Dimensions (WxHxD):** 483x44x650mm(19" x 1.7" x 25.6")
- **Cuft:** 5.3
- **GW:** 22.0kgs / 48.5lbs
- **Carton Size(cm):** 81.8 x 31.0 x 54.9 (32.2" x 12.2" x 23.4")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GHI-181/181WV2

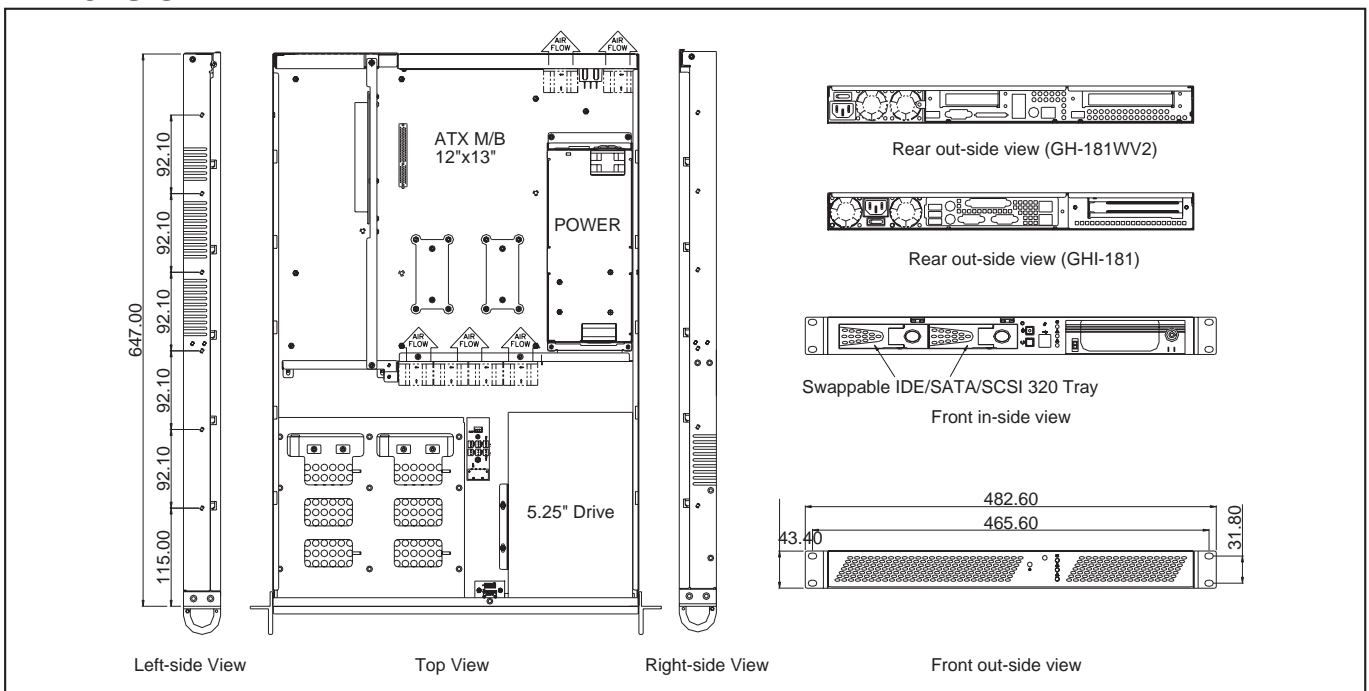
## 1U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Dual Xeon, Pentium 4, Dual Pentium III
- **Support EATX M/B (Max. to 12" x 13") SSI EEB 3.0**
- **Drive Capacity:**  
(Option A): 1x 5.25", 1x 3.5" Open & 1x 3.5" Swappable  
(Option B): 1x 5.25" & 2x 3.5" Swappable
- **Drive Interface:** PATA, SATA, SCSI320
- **Power Supply(Optional):** 1U Single up to 500W ATX P/S(Mid Installation) Max. Depth 225mm
- **Cooling:** 6x (40 x 28mm = 15.3CFM ea.) Fans,  
1x (40 x 28mm = 15.3CFM ea.)Fans (Optional)
- **Front Door:** Single Door with 1 Thumbscrew
- **Riser Card:** GHP-141 (32bit) or GHP-R0103 (64bit) (Optional)
- **Connector Port (Front):** 2x USB Ports
- **Expansion Slots:** 1x Horizontal PCI Slot (GHI-181)  
2x Horizontal PCI Slot (GHI-181WV2)(Optional)
- **Indicators:** LEDs for Power ON/OFF, LAN, HDD Activity, Fans, Temperature
- **Switch:** Power ON/OFF Momentary (Square), System Reset, Buzzer Reset
- **Dimensions (WxHxD):** 483x44x650mm (19" x 1.7" x 25.6")
- **Cuft:** 3.1
- **GW:** 12.8kgs / 28.2lbs
- **Carton Size(cm):** 59.4 x 18.2 x 81.8 (23.4" x 7.2" x 32.2")
- **Humidity:** 5% - 95% Non-condensing

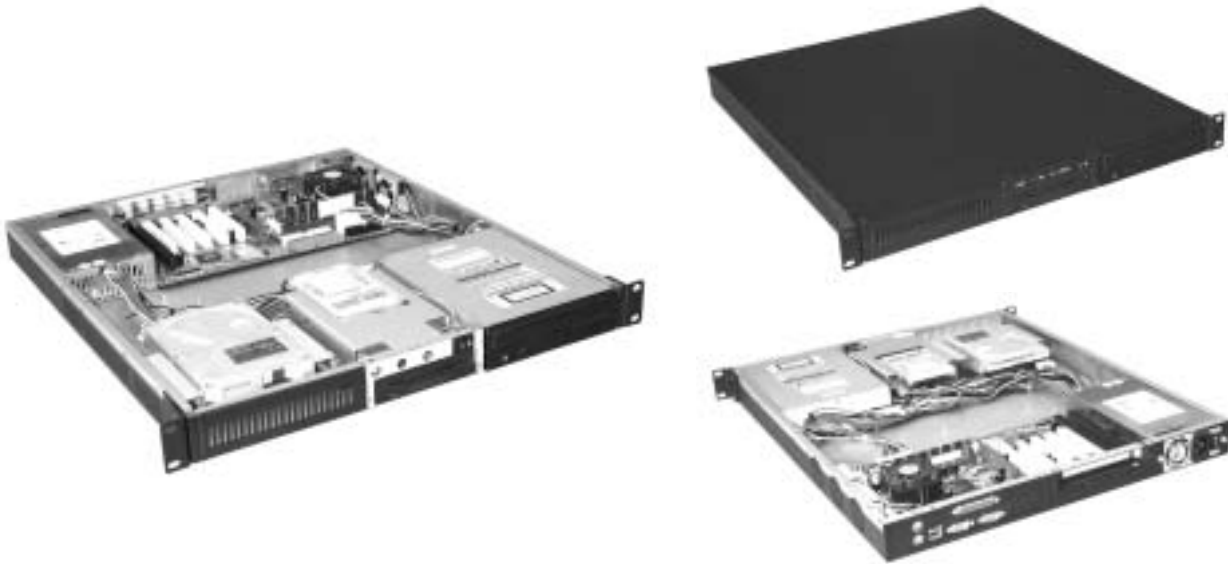
### Dimension





# GH-188ATX

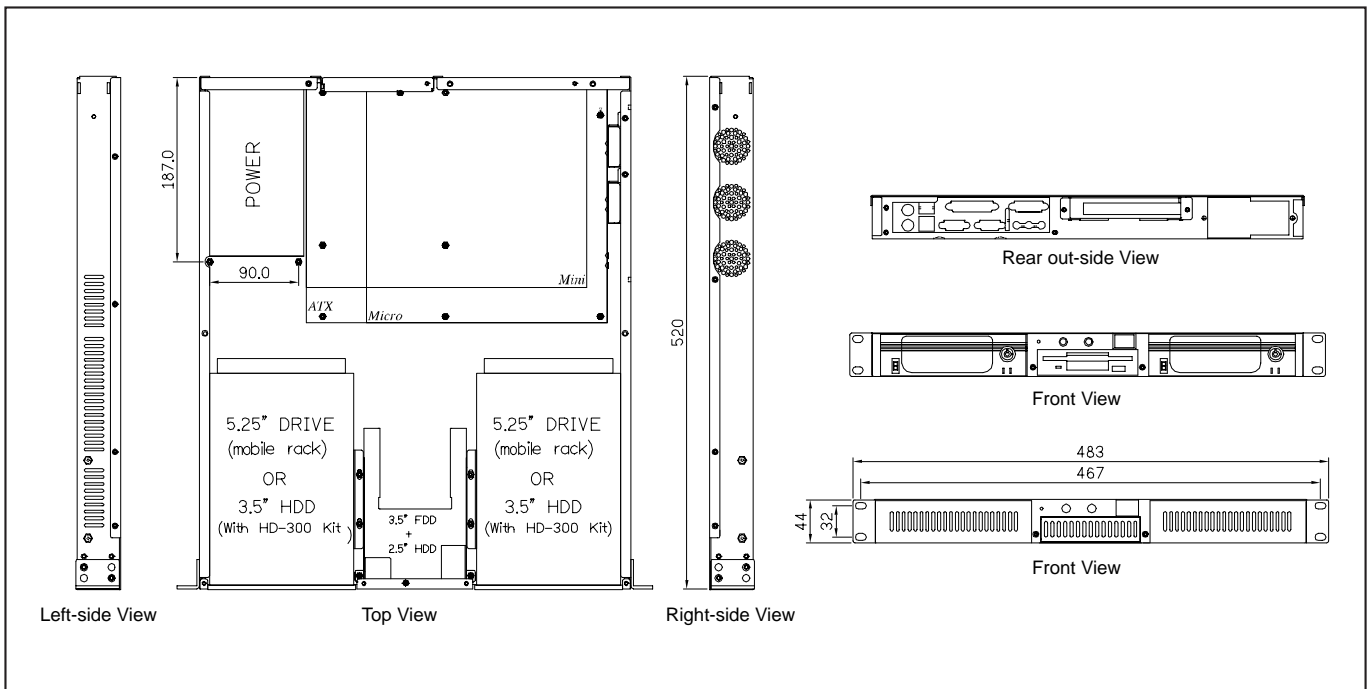
## 1U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4
- **Support ATX M/B (Max. to 12" x 9.6")**
- **Drive Capacity:** 2x 5.25" & 1x 3.5" & 1x 2.5" HDD
- **Power Supply(Optional):** 1U Single up to 300W ATX P/S (Rear Installation) Max. Depth 205mm
- **Cooling:** 2x (40 x 20mm = 7CFM ea.) Fans, 1x (40 x 20mm = 7CFM ea.) Fans (Optional)
- **Riser Card:** GHP-141 (32bit) or GHP-R0103 (64bit) (Optional)
- **Expansion Slots:** 1x Horizontal PCI Slot
- **Indicators:** LEDs for Power ON/OFF, HDD Activity
- **Switch:** Power ON/OFF Momentary (Rocker), System Reset
- **Dimensions (WxHxD):** 483x44x520mm(19" x 1.7" x 20.5")
- **Cuft:** 2.5
- **GW:** 8.0kgs / 17.6lbs
- **Carton Size(cm):** 57.5 x 18.5 x 66.7(22.6" x 7.3" x 26.3")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GHI-189

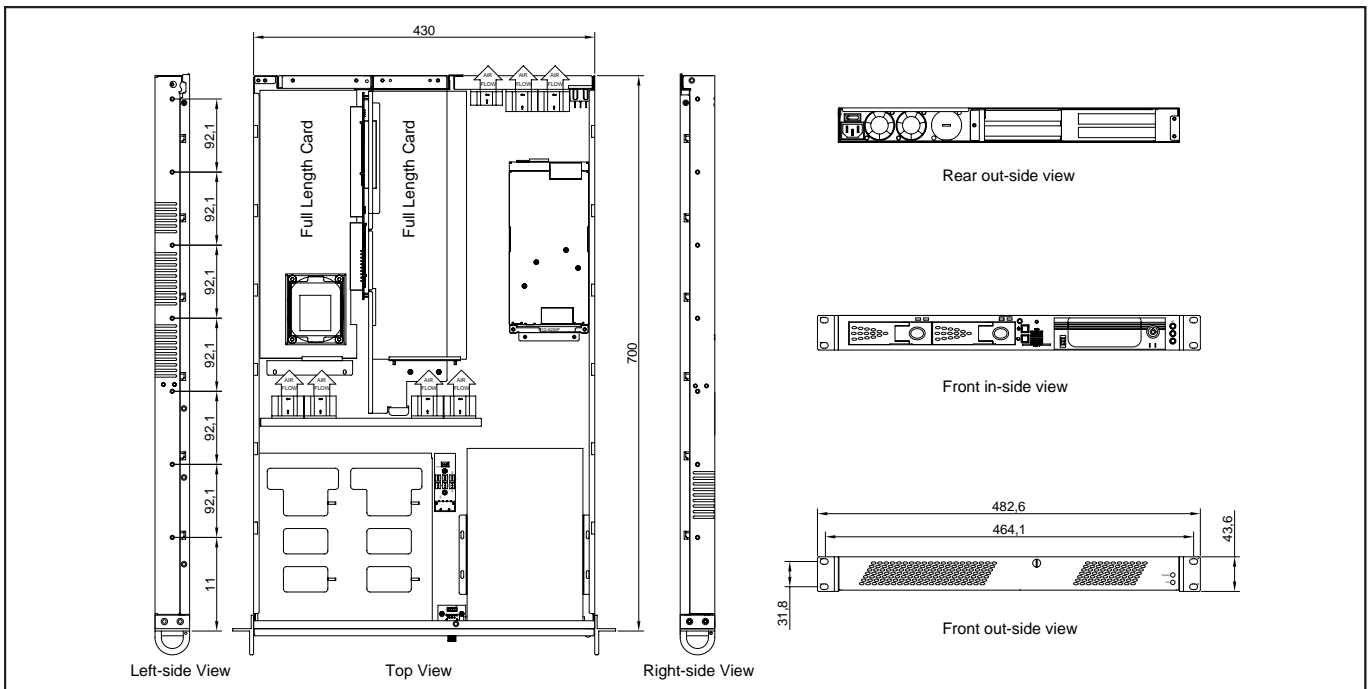
## 1U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **Supports 4 Slot Passive Backplane**
- **Drive Capacity:** 1x 5.25" & 2x Hot Swap Drive Trays
- **Drive Interface:** PATA, SATA, SCSI320
- **Power Supply (Optional):** 1U Single up to 500W ATX P/S (Mid Installation) Max. Depth 225mm
- **Cooling:** 6x (40x28mm = 15CFM ea.) Fans & 1x (40x20mm = 7CFM ea.) (Optional)
- **Connector Port (Front):** 2x USB Ports
- **Front Door:** Single Door with 1 Thumbscrew
- **Indicators:** LEDs for Power ON/OFF, HDD Activity, LAN
- **Switch:** Power ON/OFF Momentary (Square Pushbutton), System Reset
- **Dimensions (WxHxD):** 483x44x650mm(19" x 1.75" x 25.6")
- **Cuft:** 3.4
- **GW:** 14kgs / 30.8 lbs
- **Carton Size (cm):** 59.4 x 18.2 x 81.8 (23.4" x 7.2" x 32.2")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GH-198B/198L

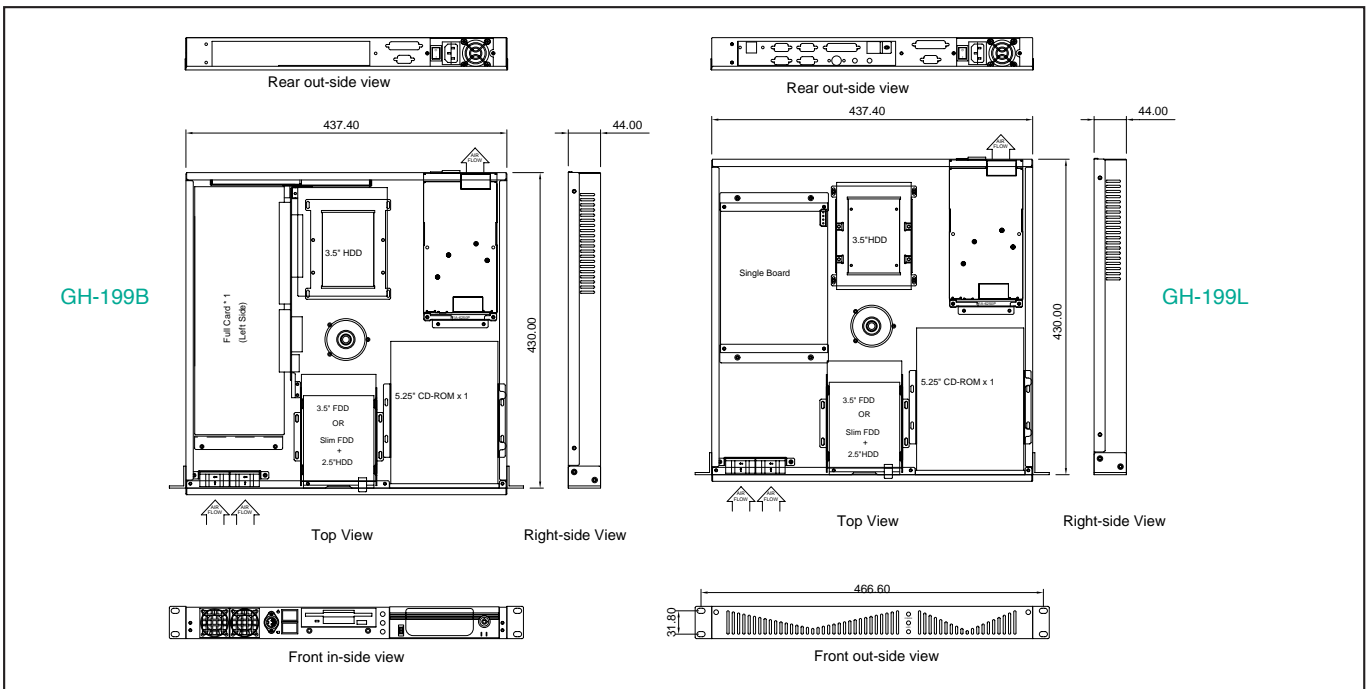
## 1U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **Support 2-Slot Passive Backplane (GH-198B)**
- **Support Little Board (GH-198L)**
- **Drive Capacity:** 1x 5.25" & 1x 3.5" FDD (or 1x Slim FDD, 1x 2.5" HDD) & 1x 3.5" HDD
- **Power Supply (Optional):** 1U Single up to 300W ATX P/S (Rear Installation) Max. Depth 200mm
- **Cooling:** 2x (40 x 20mm = 7CFM ea.) Fans
- **Connector Port (Front):** 1x PS/2 Ports
- **Front Door:** Single Door with 2 Thumbscrews
- **Indicators:** LEDs for Power ON/OFF, HDD Activity
- **Switch:** Power ON/OFF Momentary (Square), System Reset
- **Dimensions (WxHxD):** 483x44x431mm (19" x 1.7" x 17.0")
- **Cuft:** 2.5
- **GW:** 8.0kgs / 17.6lbs
- **Carton Size(cm):** 62.7 x 18.1 x 61.3 (24.7" x 7.1" x 24.1")
- **Humidity:** 5% - 95% Non-condensing

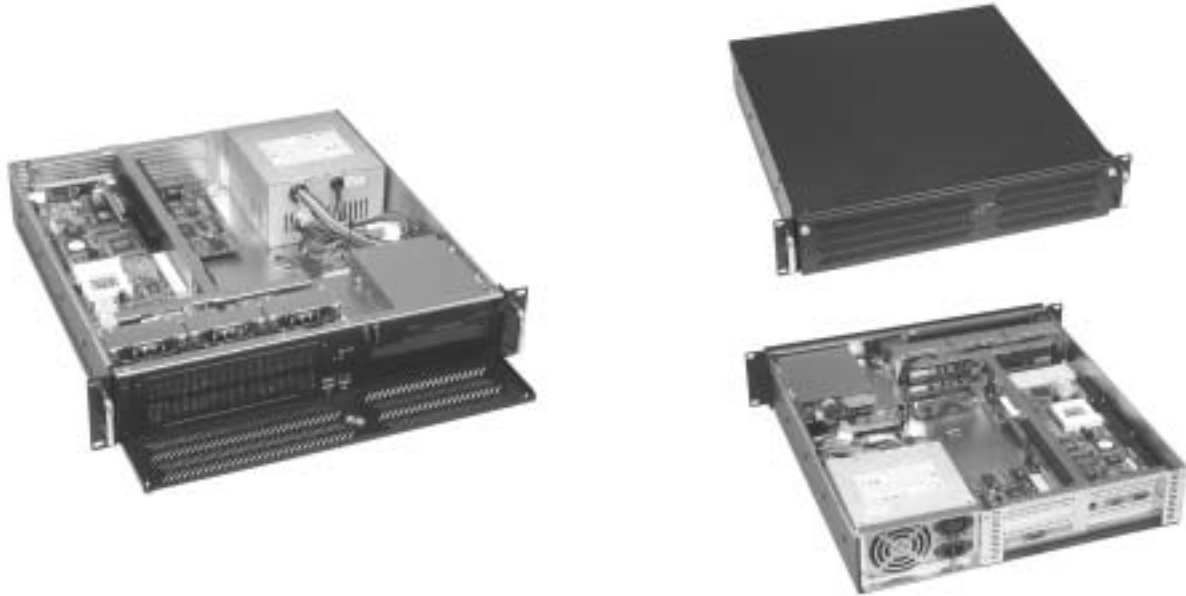
### Dimension





# GHI-200

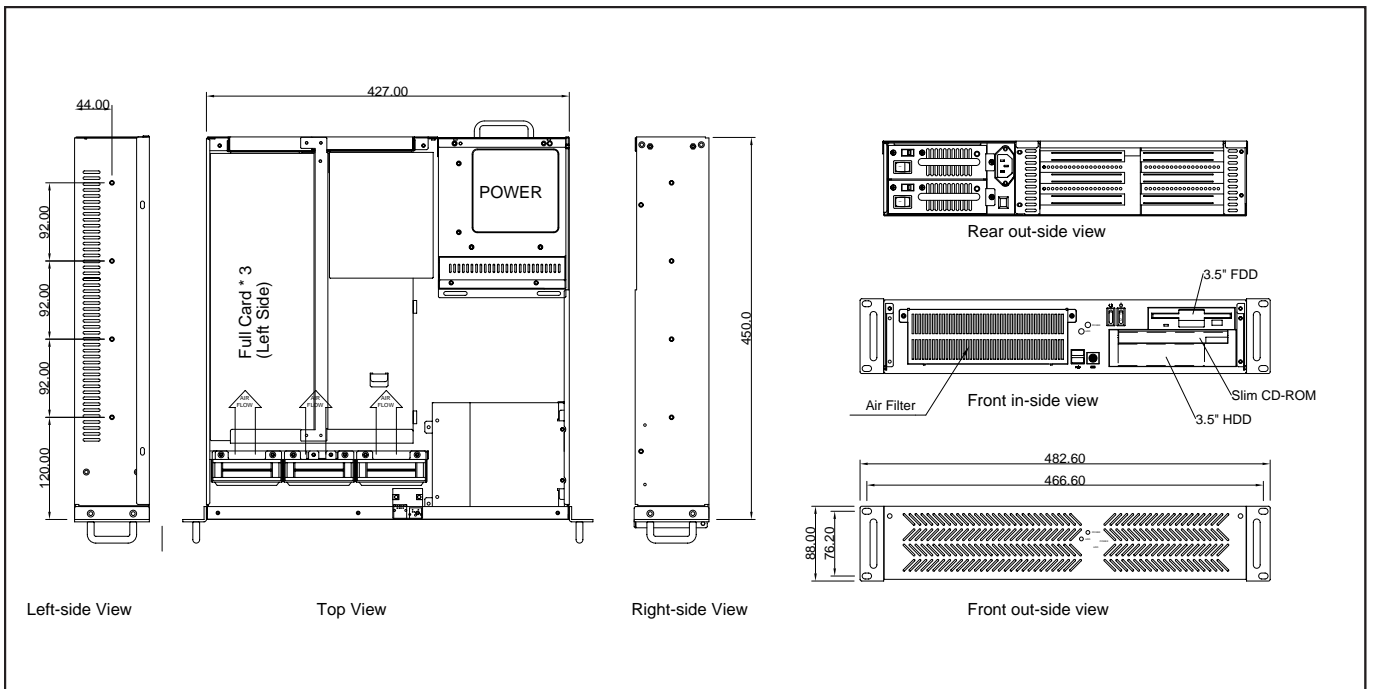
## 2U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **Support 6-slot Passive Backplane**
- **Drive Capacity:** 1x 5.25" ( or 1x Slim CD-ROM & 1x 3.5" HDD) & 1x 3.5" FDD
- **Power Supply(Optional):** PS/2 size single 400W or Redundant 250W (Rear Installation)
- **Cooling:** 3x (80 x 25mm = 42.5CFM ea.) Fans with Removable Air Filter
- **Front Door:** Single Door with 2 Thumbscrews
- **Air Filter:** Inside Front Panel (Washable)
- **Connector Port (Front):** 2x USB & 1x PS/2 Ports
- **Indicators:** LEDs for Power ON/OFF, HDD Activity
- **Switch:** Power ON/OFF Momentary(Rocker), System Reset
- **Dimensions (WxHxD):** 483x88x450mm(19"x3.5"x17.7")
- **Cuft:** 3.3
- **GW:** 13.0kgs / 28.7lbs
- **Carton Size(cm):** 63.3x24.8x59.0(24.9"x9.8"x23.2")
- **Humidity:** 5% - 95% Non-condensing

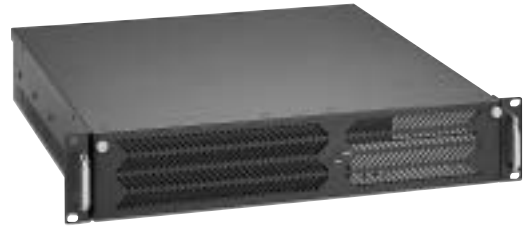
### Dimension



# GHI-210

## 2U Rackmount Chassis

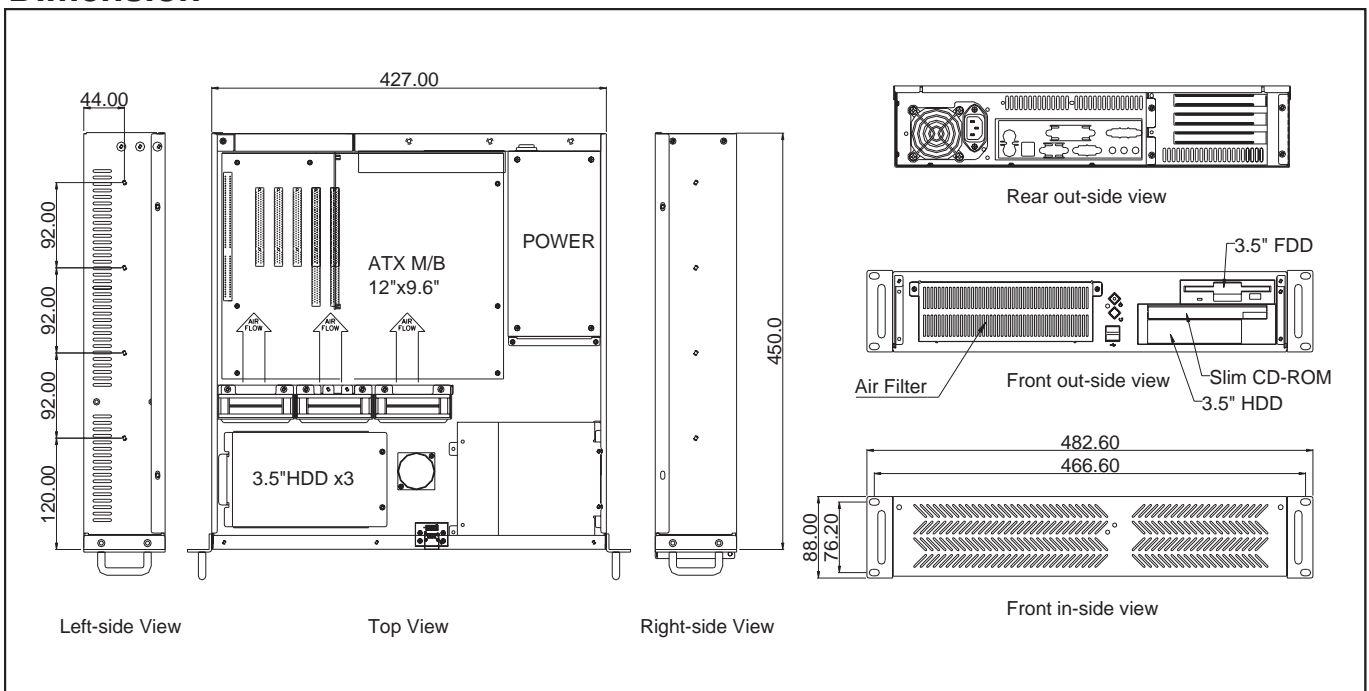
19" Rackmount



### Specifications

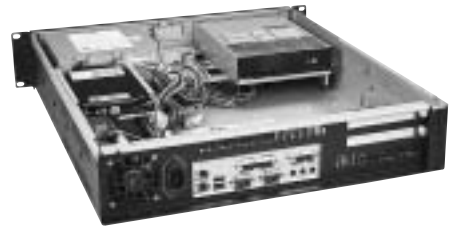
- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Dual Xeon, Pentium 4, Dual Pentium III
- **Support ATX M/B (Max. to 12" x 9.6")**
- **Drive Capacity:** 1x 5.25"(or 1xSlim CD-ROM & 1x3.5"HDD ) & 1x 3.5" & 3x 3.5" HDD
- **Power Supply (Optional):** 2U Single up to 400W or Redundant up to 350W ATX P/S (Rear Installation)
- **Cooling:** 3x (80mm = 42.5CFM ea.) Fans
- **Connector Port (Front):** 2x USB Ports
- **Front Door:** Single Door with 2 Thumbscrews
- **Air Filter:** Inside Front Panel (Washable)
- **Riser Card:** GHP-R0301 (32bit Ribbon) or GHP-R0304 (64bit Ribbon) (Optional)
- **Expansion Slots(Optional):** 2 or 3x Horizontal ISA/PCI/AGP Option Slots
- **Indicators:** LEDs for Power ON/OFF, HDD Activity
- **Switch:** Power ON/OFF Momentary (Square), System Reset
- **Dimensions (WxHxD):** 483x88x450mm (19" x 3.5" x 17.7")
- **Cuft:** 3.3
- **GW:** 14.0kgs / 30.9lbs
- **Carton Size(cm):** 63.3 x 24.8 x 59.0(24.9" x 9.8" x 23.2")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GH-212ATX

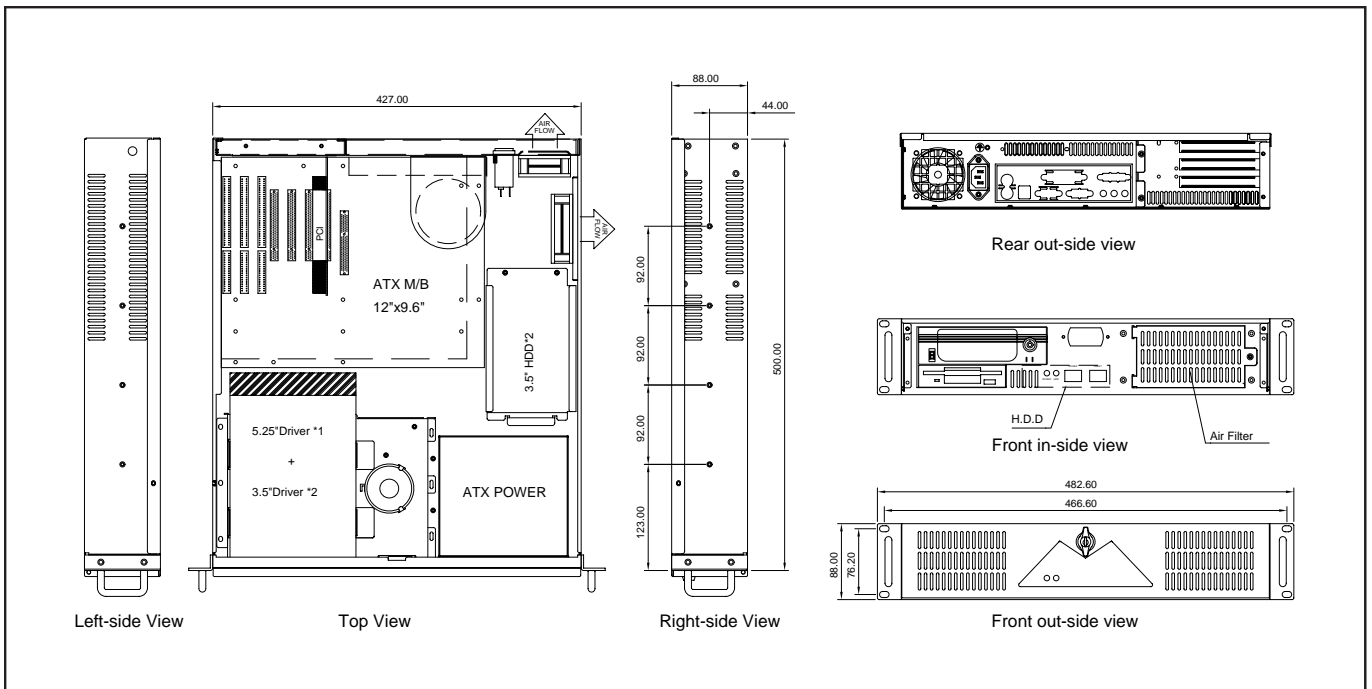
## 2U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4
- **Support ATX M/B (Max. to 12" x 9.6")**
- **Drive Capacity:** 1x 5.25" & 1x 3.5" & 3x 3.5"HDD
- **Power Supply(Optional):** PS/2 Size Single up to 460W ATX P/S (Front Installation)
- **Cooling:** 1x (60mm = 23.5CFM ea.) & 1x (80mm = 42.5CFM ea.) Fan
- **Front Door:** Single Door with 1 Thumb Twist Keylock
- **Air Filter:** Inside Front Panel (Washable)
- **Riser Card:** GHP-R0301 (32bit Ribbon) or GHP-R0304 (64bit Ribbon) (Optional)
- **Expansion Slots (Optional):** 2 or 3x Horizontal ISA/PCI/AGP Option Slots
- **Indicators:** LEDs for Power ON/OFF, HDD Activity
- **Switch:** Power ON/OFF Momentary (Rocker), System Reset
- **Dimensions (WxHxD):** 483x88x501mm(19" x 3.5" x 19.7")
- **Cuft:** 3.6
- **GW:** 12.0kgs / 26.5lbs
- **Carton Size(cm):** 58.8 x 25.5 x 68.5 (23.1" x 10.0" x 27.0")
- **Humidity:** 5% - 95% Non-condensing

### Dimension





# GHI-213

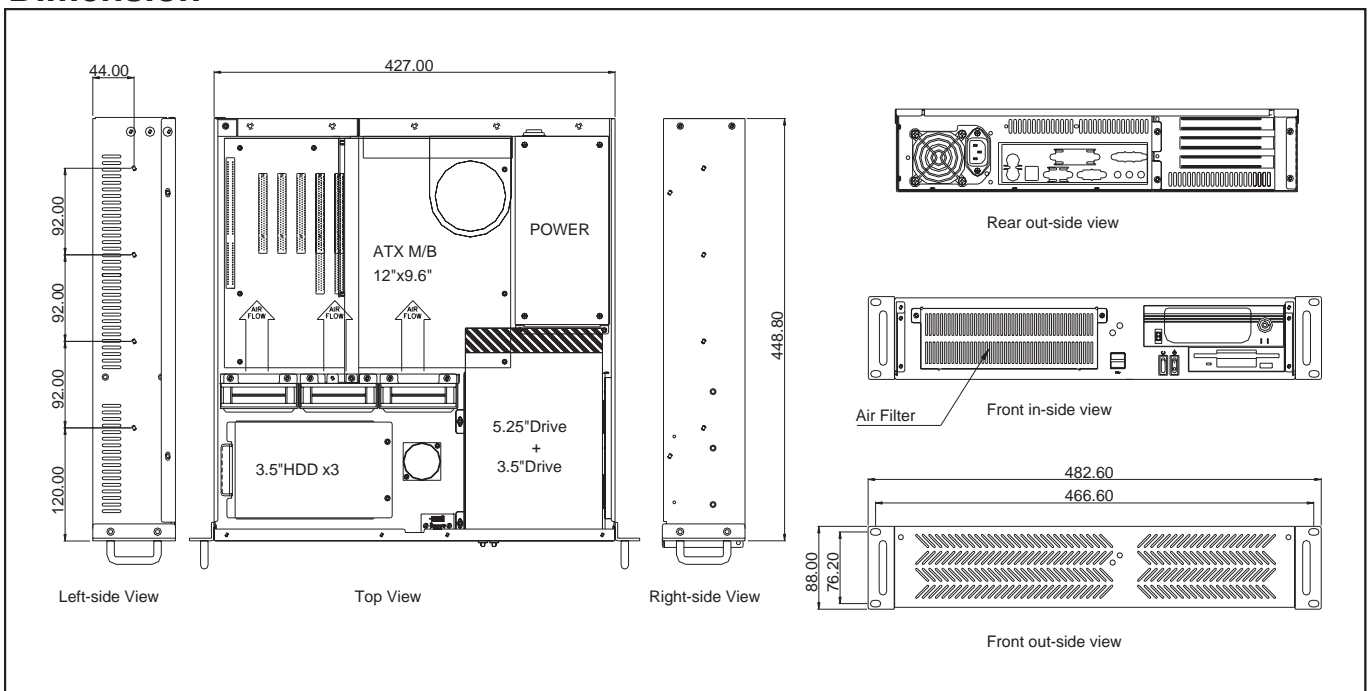
## 2U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Athlon 64
- **Support ATX M/B (Max. to 12" x 9.6")**
- **Drive Capacity:** 1x 5.25" & 1x 3.5" & 3x 3.5"HDD
- **Power Supply (Optional):** 2U Single up to 400W or Redundant up to 350W ATX P/S (Rear Installation) Max. Depth 215mm
- **Cooling:** 3x (80 mm = 42.5CFM ea.) Fans
- **Front Door:** Single Door with 2 Thumbscrews
- **Air Filter:** Inside Front Panel (Washable)
- **Riser Card:** GHP-R0301 (32bit Ribbon) or GHP-R0304 (64bit Ribbon) (Optional)
- **Connector Port (Front):** 2x USB Ports
- **Expansion Slots(Optional):** 2 or 3x Horizontal ISA/PCI/AGP Option Slots
- **Indicators:** LEDs for Power ON/OFF, HDD Activity
- **Switch:** Power ON/OFF, System Reset
- **Dimensions (WxHxD):** 483x88x450mm (19" x 3.5" x 17.7")
- **Cuft:** 3.3
- **GW:** 14.0kgs / 30.9lbs
- **Carton Size(cm):** 63.3 x 24.8 x 59.0 (24.9" x 9.8" x 23.2")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GHI-230

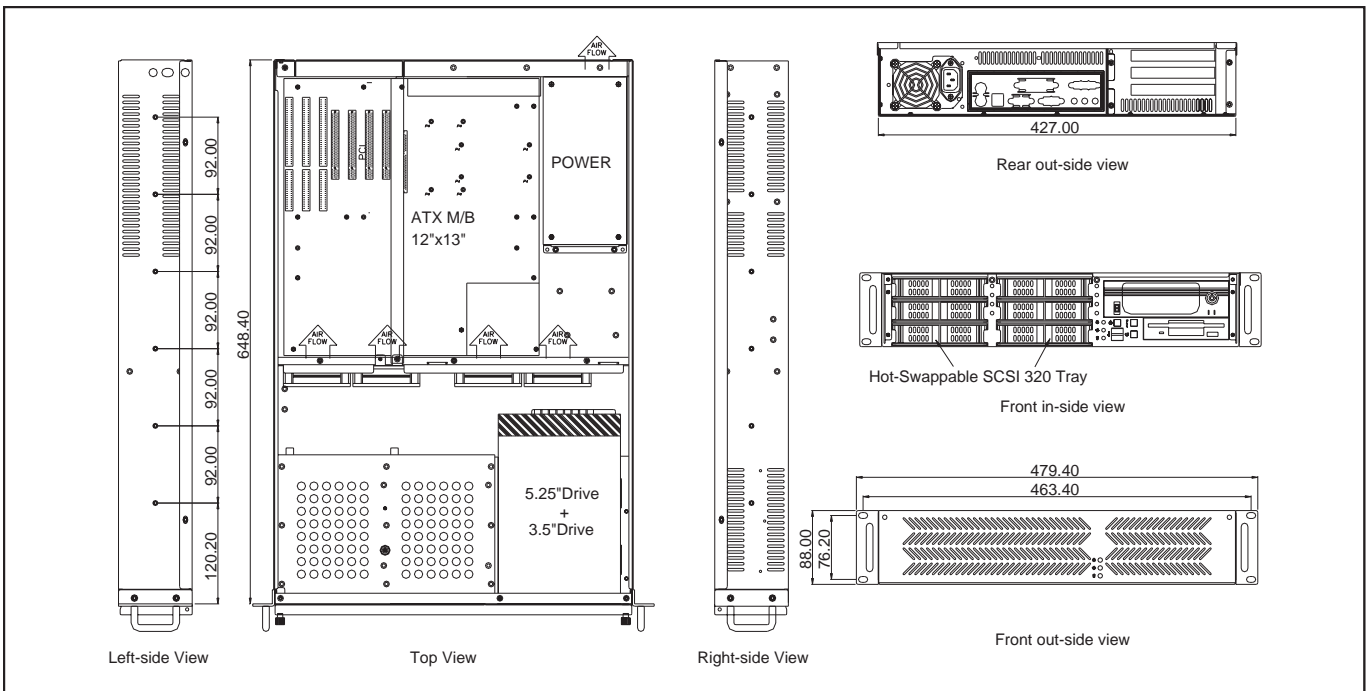
## 2U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Dual Xeon, Athlon 64, Dual Opteron
- **Support EATX M/B (Max. to 12" x 13")**
- **Drive Capacity:** 1x 5.25" & 1x 3.5" & 6x 3.5" Hot Swappable SCSI 320 Trays
- **Drive Interface:** SCSI320
- **Power Supply (Optional):** 2U Single up to 400W or Redundant up to 350W ATX P/S(Rear Installation) Max Depth 300mm
- **Cooling:** 4x (80mm = 42.5CFM ea.) Fans
- **Front Door:** Single Door with 2 Thumbscrews
- **Riser Card:** GHP-R0301 (32bit Ribbon) or GHP-R0304 (64bit Ribbon) (Optional)
- **Connector Port (Front):** 2x USB Ports
- **Expansion Slots(Optional):** 2 or 3x Horizontal ISA/PCI/AGP Option Slots
- **Indicators:** LEDs for Power ON/OFF, HDD Activity, Fan, Temperature
- **Switch:** Power ON/OFF Momentary (Rocker), System Reset, Buzzer Reset
- **Dimensions (WxHxD):** 483x88x650mm (19" x 3.5" x 25.6")
- **Cuft:** 4.4
- **GW:** 18.0kgs / 39.7lbs
- **Carton Size(cm):** 58.8 x 25.5 x 82.5 (23.1" x 10.0" x 32.5")
- **Humidity:** 5% - 95% Non-condensing

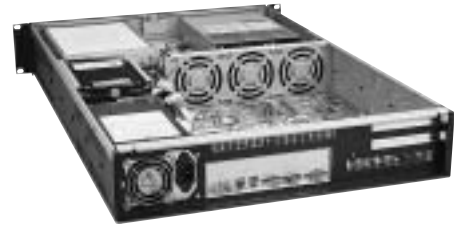
### Dimension



# GH-231ATX

## 2U Rackmount Chassis

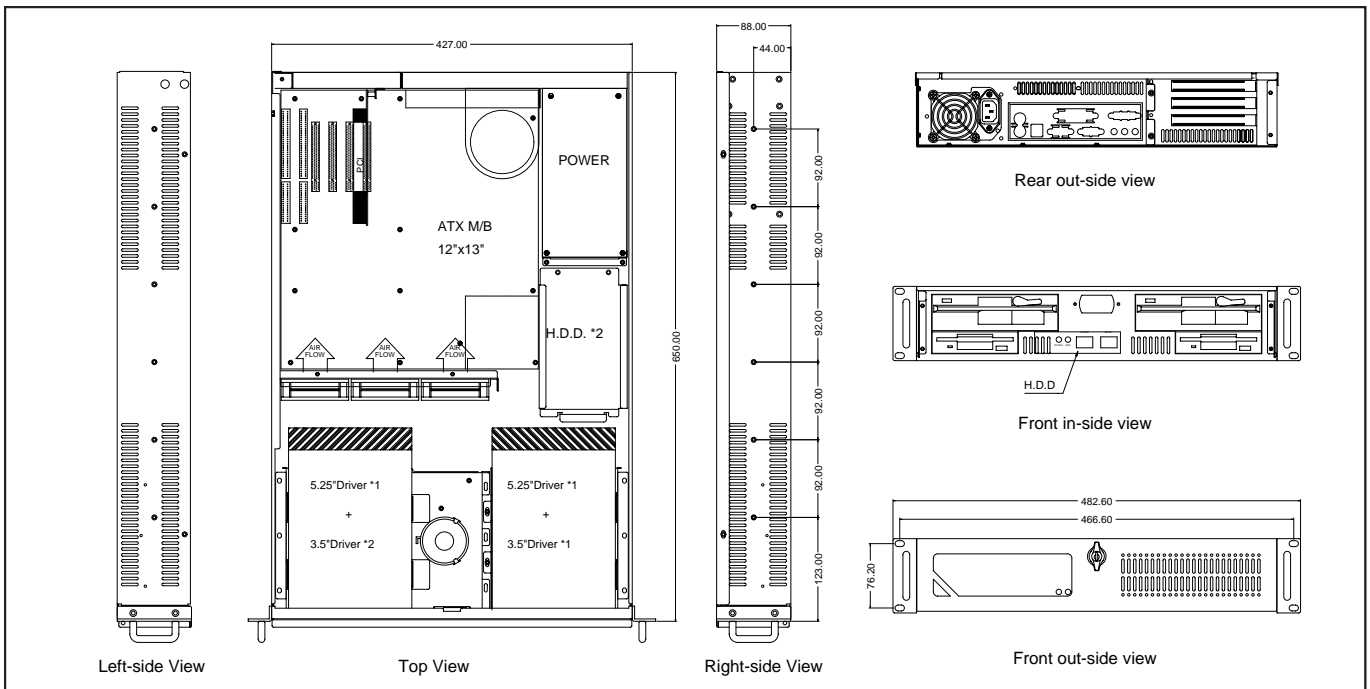
19" Rackmount



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Athlon 64, Opteron
- **Support EATX M/B (Max. to 12" x 13")**
- **Drive Capacity:** 2x 5.25" & 2x 3.5" & 3x 3.5" HDD
- **Power Supply (Optional):** 2U Single up to 400W or Redundant up to 350W ATX P/S (Rear Installation) Max. Depth 300mm
- **Cooling:** 3x (80mm = 42.5CFM ea.) Fans
- **Front Door:** Single Door with 1 Thumb Twist Keylock
- **Riser Card:** GHP-R0301 (32bit Ribbon) or GHP-R0304 (64bit Ribbon) (Optional)
- **Expansion Slots(Optional):** 2 or 3x Horizontal ISA/PCI/AGP Option Slots
- **Indicators:** LEDs for Power ON/OFF, HDD Activity
- **Switch:** Power ON/OFF Momentary (Rocker), System Reset
- **Dimensions (WxHxD):** 483x88x650mm (19" x 3.5" x 25.6")
- **Cuft:** 4.4
- **GW:** 15kgs / 33.1lbs
- **Carton Size(cm):** 58.8 x 25.5 x 82.5(23.1" x 10.0" x 32.5")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GH-232ATX

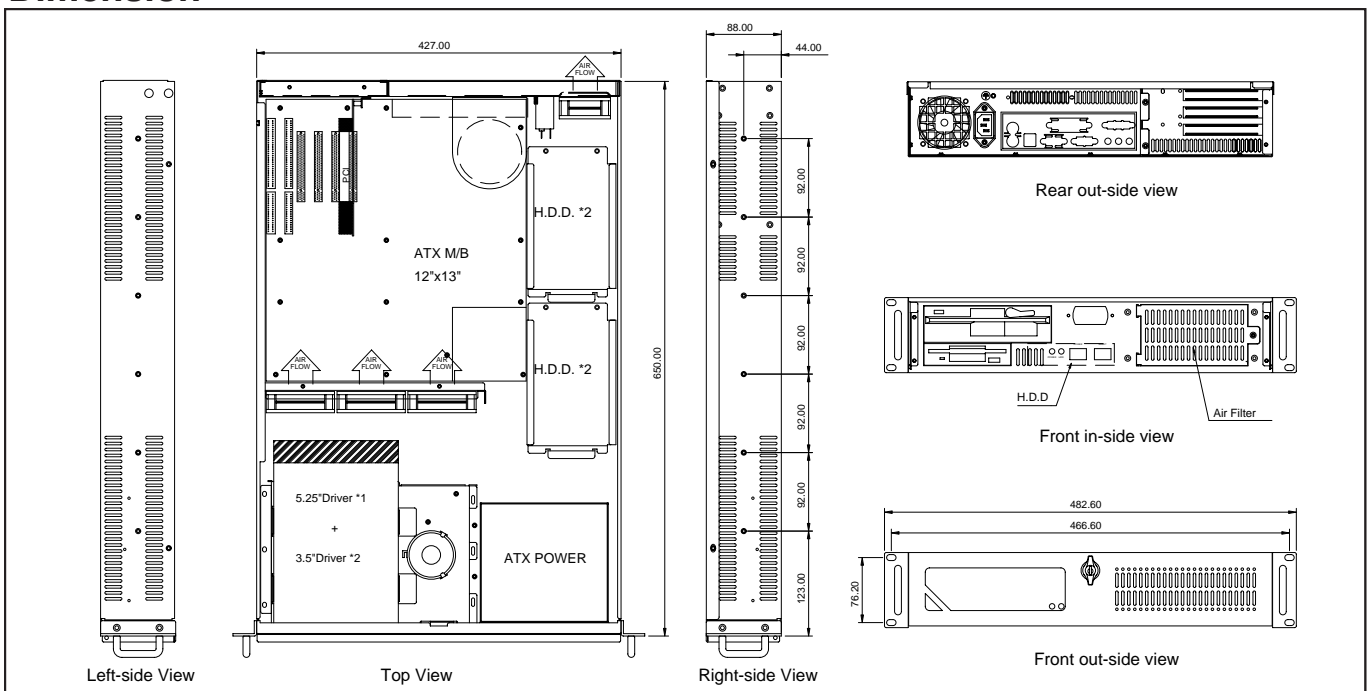
## 2U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Dual Xeon, Athlon 64, Dual Opteron
- **Support EATX M/B (Max. to 12" x 13")**
- **Drive Capacity:** 1x 5.25" & 1x 3.5" & 5x 3.5" HDD
- **Power Supply (Optional):** PS/2 Size Single up to 460W ATX P/S (Front Installation) Max. Depth 300mm
- **Cooling:** 1x (60mm = 23.5CFM ea.) & 3x (80mm = 42.5CFM ea.) Fans
- **Air Filter:** Inside Front Panel (Washable)
- **Front Door:** Single Door with 1 Thumb Twist Keylock
- **Riser Card:** GHP-R0301 (32bit Ribbon) or GHP-R0304 (64bit Ribbon) (Optional)
- **Expansion Slots(Optional):** 2 or 3x Horizontal ISA/PCI/AGP Option Slots or 7x Low Profile PCI Slots
- **Indicators:** LEDs for Power ON/OFF, HDD Activity
- **Switch:** Power ON/OFF Momentary(Rocker), System Reset
- **Dimensions (WxHxD):** 483x88x650mm (19" x 3.5" x 25.6")
- **Cuft:** 4.4
- **GW:** 15kgs / 33.1lbs
- **Carton Size(cm):** 58.8 x 25.5 x 82.5 (23.1" x 10" x 32.5")
- **Humidity:** 5% - 95% Non-condensing

### Dimension





# GH-241ATX/242ATXR

## 2U Rackmount Chassis

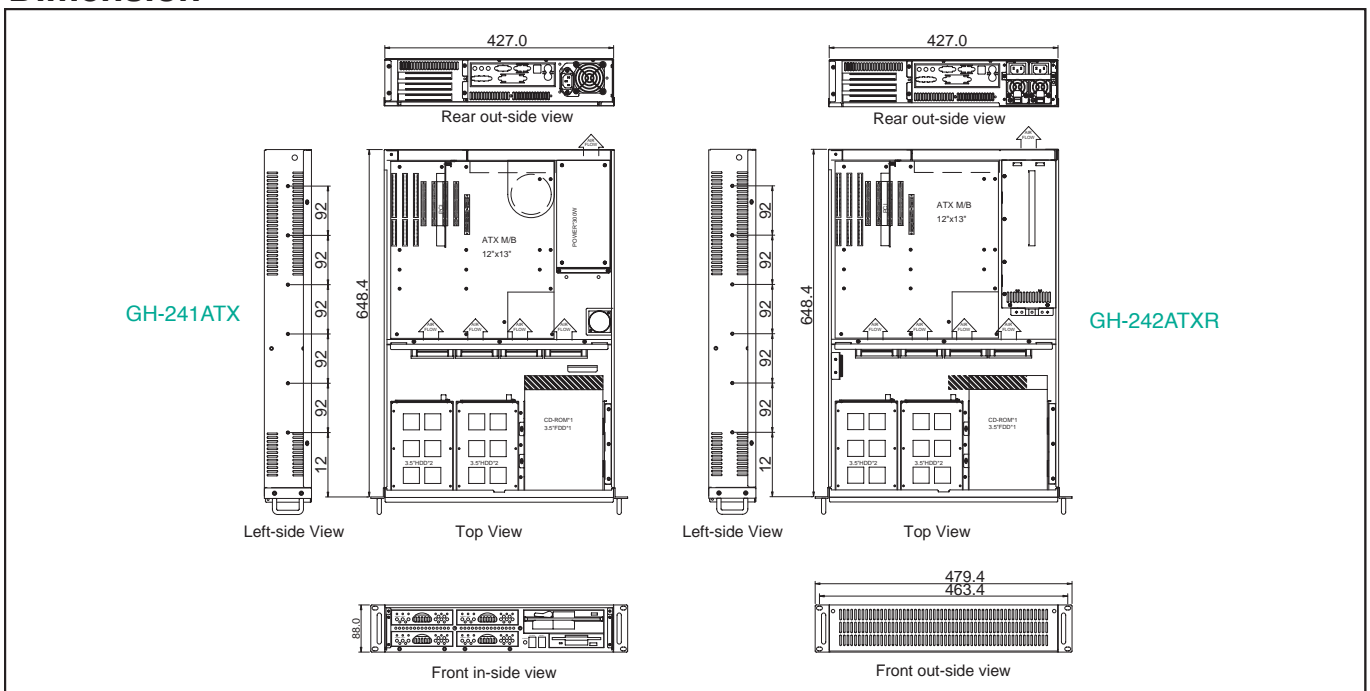
19" Rackmount



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Dual Xeon, Pentium 4, Dual Pentium III
- **Support EATX M/B(Max. to 12"x13")**
- **Drive Capacity:** 1x5.25" & 1x3.5" & 4x3.5" Hot Swappable Trays
- **Drive Interface:** SCSI320 or SATA (Optional)
- **Power Supply(Optional):** 2U Single 250~400W ATX P/S(GH-241ATX) or 2U Redundant 300~350W ATX P/S(GH-242ATXR) (Rear Installation)
- **Cooling:** 4x(8cm) Fans(42.5CFM ea.)
- **Expansion Slots(Optional):** 2 or 3xHorizontal Slots(ISA, PCI, AGP Option)
- **Thermal Management Card:** GHA-CO02
- **Indicators:** LEDs for Power ON/OFF, HDD Activity
- **Switch:** Power ON/OFF, System Reset
- **Dimensions (WxHxD):** 483x88x650mm (19"x3.5"x25.6")
- **Cuft:** 4.4
- **GW:** 17kgs / 37.5lbs
- **Carton Size(cm):** 58.8x25.5x82.5(23.1"x10"x32.5")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GH-244ATXR/245ATX

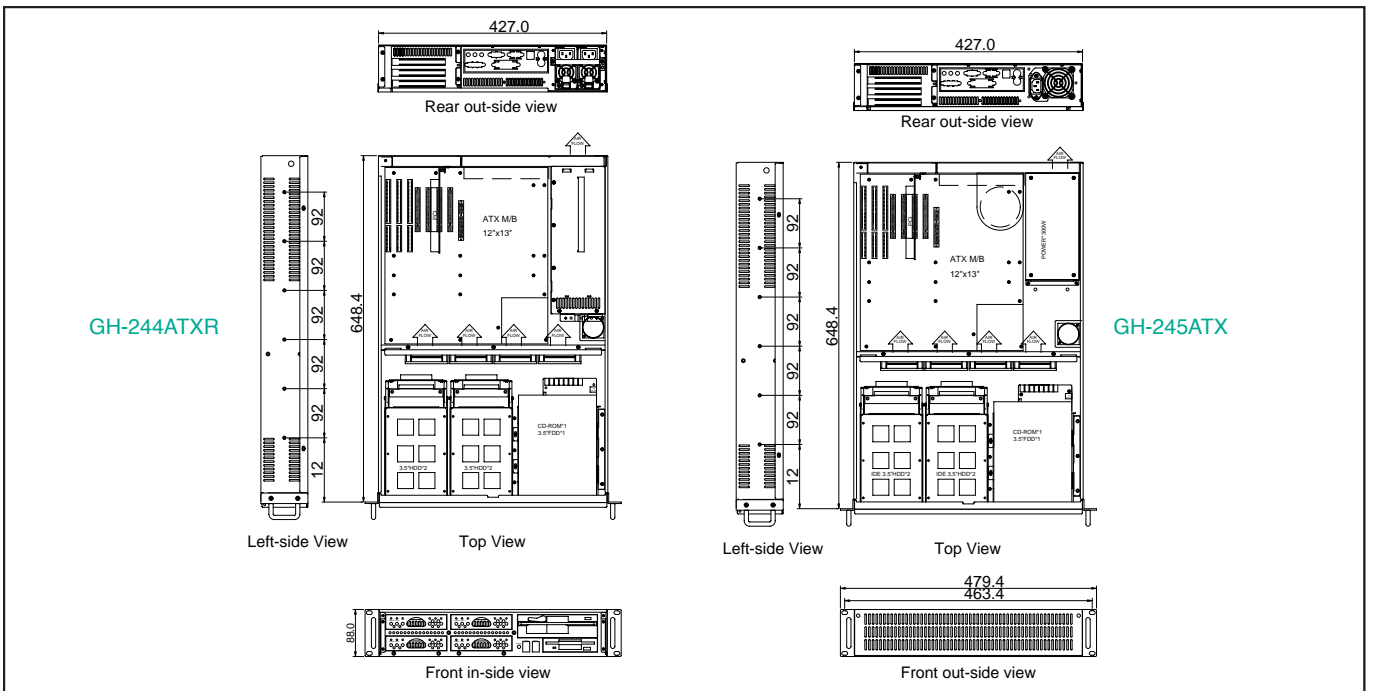
## 2U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Dual Xeon, Pentium 4, Dual Pentium III
- **Support EATX M/B(Max. to 12"x13")**
- **Drive Capacity:** 1x5.25" & 1x3.5" & 4x3.5"Swappable PATA Trays
- **Drive Interface:** PATA
- **Power Supply(Optional):** 2U Redundant 300~350W ATX P/S(GH-244ATXR)  
2U Single 250~400WATX P/S(GH-245ATX)  
(Rear Installation)
- **Cooling:** 4x(8cm) Fans(42.5CFM ea.)
- **Expansion Slots(Optional):** 2 or 3xHorizontal Slots (ISA,PCI, AGP Option)
- **Thermal Management Card:** GHA-CO02
- **Indicators:** LEDs for Power ON/OFF, HDD Activity
- **Switch:** Power ON/OFF, System Reset
- **Dimensions (WxHxD):** 483x88x650 mm (19"x3.5"x25.6")
- **Cuft:** 4.4
- **GW:** 17kgs / 37.5lbs
- **Carton Size(cm):** 58.8x25.5x82.5(23.1"x10"x32.5")
- **Humidity:** 5% - 95% Non-condensing

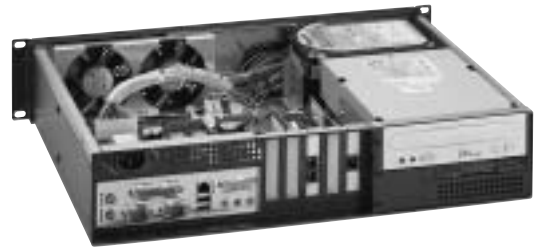
### Dimension



# GHI-250

## 2U Rackmount Chassis

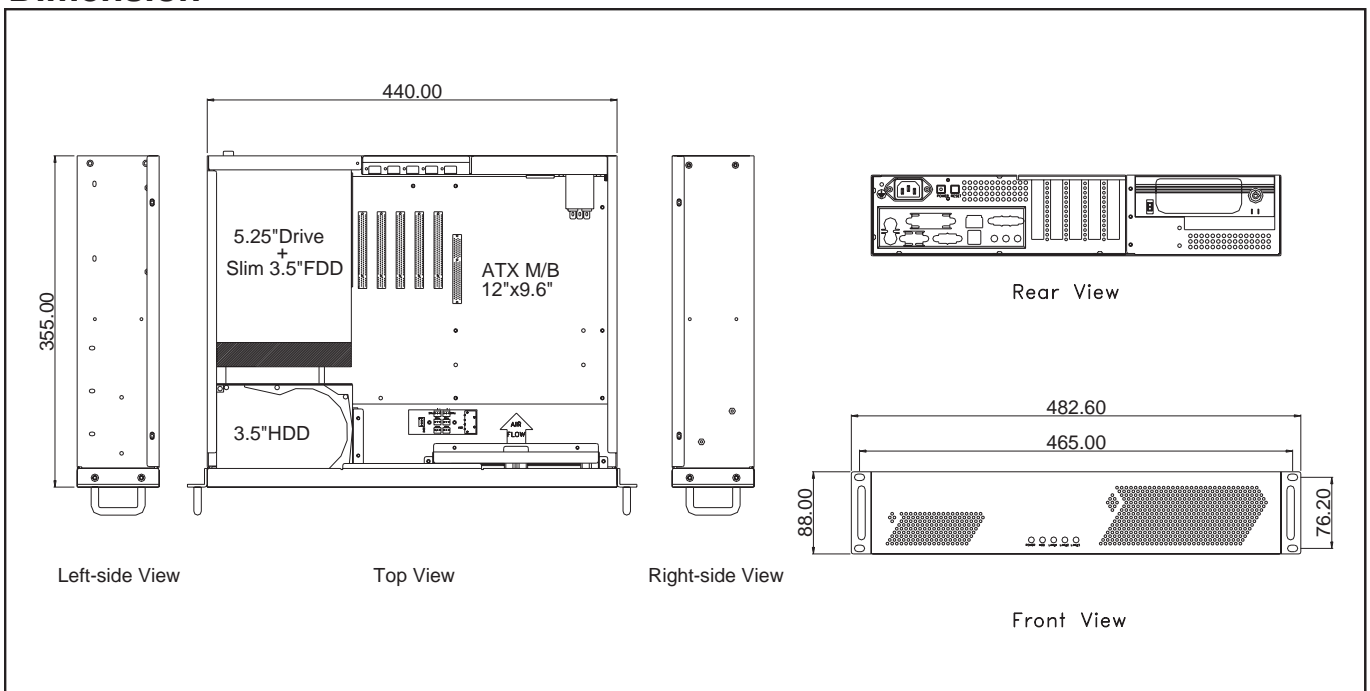
19" Rackmount



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Athlon 64
- **Support ATX M/B (Max. to 12" x 9.6")**
- **Drive Capacity:** 1x 5.25" & 1x Slim FDD & 1x 3.5" HDD
- **Power Supply (Optional):** 1U Single up to 300W ATX P/S(Mid Installation) Max. Depth 205mm
- **Cooling:** 2x (80mm = 42.5CFM ea.) Fans
- **Expansion Slots:** 5x Low Profile PCI Slots
- **Indicators:** LEDs for Power ON/OFF, LAN, HDD Activity
- **Switch:** Power ON/OFF Momentary (Square), System Reset
- **Dimensions (WxHxD):** 483x88x355mm (19" x 3.5" x 13.9")
- **Cuft:** 2.0
- **GW:** 9.0kgs / 19.8lbs
- **Carton Size(cm):** 57.0 x 20.3 x 82.5 (23.1" x 10.0" x 32.5")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GHI-251

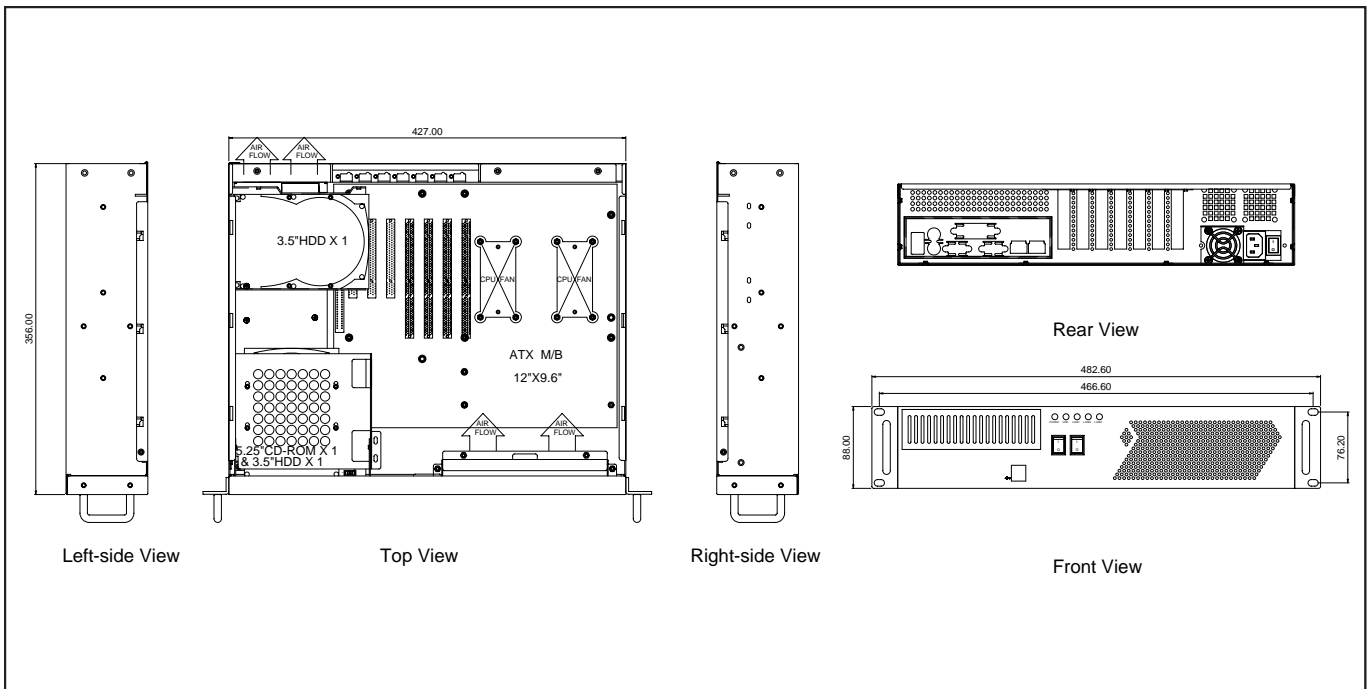
## 2U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Athlon 64
- **Support ATX M/B (Max. to 12" x 9.6")**
- **Drive Capacity:** 1x 5.25" & 2x 3.5" HDD
- **Power Supply (Optional):** 1U Single up to 300W ATX P/S(Rear Installation) Max. Depth 205mm
- **Cooling:** 2x (80mm = 42.5CFM ea.) & 2x (40 x 28mm = 15CFM ea.)( Optional) Fans
- **Connector Port (Front):** 2x USB Ports
- **Expansion Slots:** 7x Low Profile PCI Slots
- **Indicators:** LEDs for Power ON/OFF, LAN, HDD Activity
- **Switch:** Power ON/OFF Momentary (Square), System Reset
- **Dimensions (WxHxD):** 483x88x355mm (19" x 3.5" x 13.9")
- **Cuft:** 2.0
- **GW:** 9.0kgs / 19.8lbs
- **Carton Size(cm):** 57.0 x 20.3 x 82.5 (23.1" x 10.0" x 32.5")
- **Humidity:** 5% - 95% Non-condensing

### Dimension





# GHI-252V/252H

## 2U Rackmount Chassis



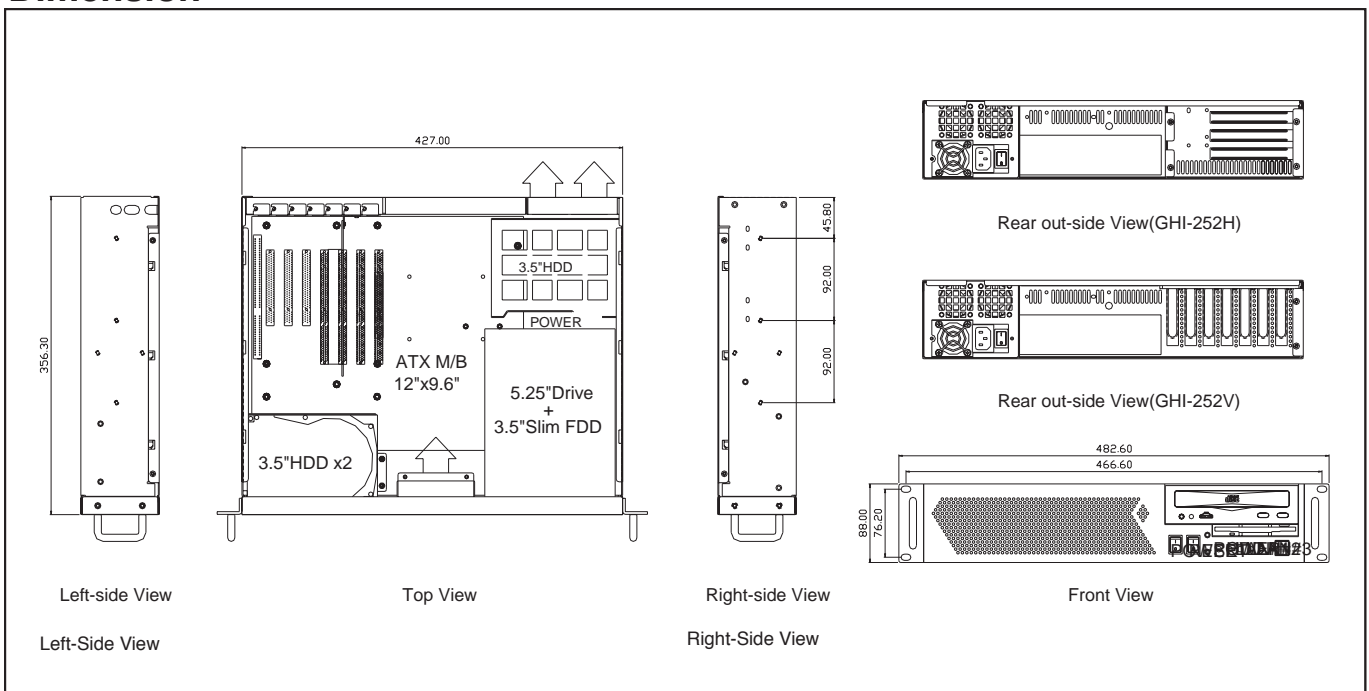
19" Rackmount

### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Athlon 64
- **Support ATX M/B (Max. to 12" x 9.6")**
- **Drive Capacity:** 1x 5.25" & 1x Slim FDD & 3x 3.5" HDD
- **Power Supply (Optional):** 1U Single up to 300W ATX P/S (Rear Installation) Max. Depth 205mm
- **Cooling:** 1x (80mm = 42.5CFM ea.) & 2x (40 x 20mm = 7CFM ea) Fans
- **Riser Card:** GHP-R0301 (32bit Ribbon) or GHP-R0304 (64bit Ribbon) (Optional)

- **Connector Port (Front):** 2x USB Ports
- **Expansion Slots(Optional):** 2 or 3x Horizontal ISA/PCI/AGP Option Slots(GHI-252H) or 7x Low Profile PCI Slots (GHI-252V)
- **Indicators:** LEDs for Power ON/OFF, LAN, HDD Activity
- **Switch:** Power ON/OFF Momentary(Square), System Reset
- **Dimensions (WxHxD):** 483x88x355mm (19" x 3.5" x 13.9")
- **Cuft:** 2.0
- **GW:** 9.0kgs / 19.8lbs
- **Carton Size(cm):** 57.0x20.3x82.5(23.1"x10.0"x32.5")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GHI-280/280V/280WV2

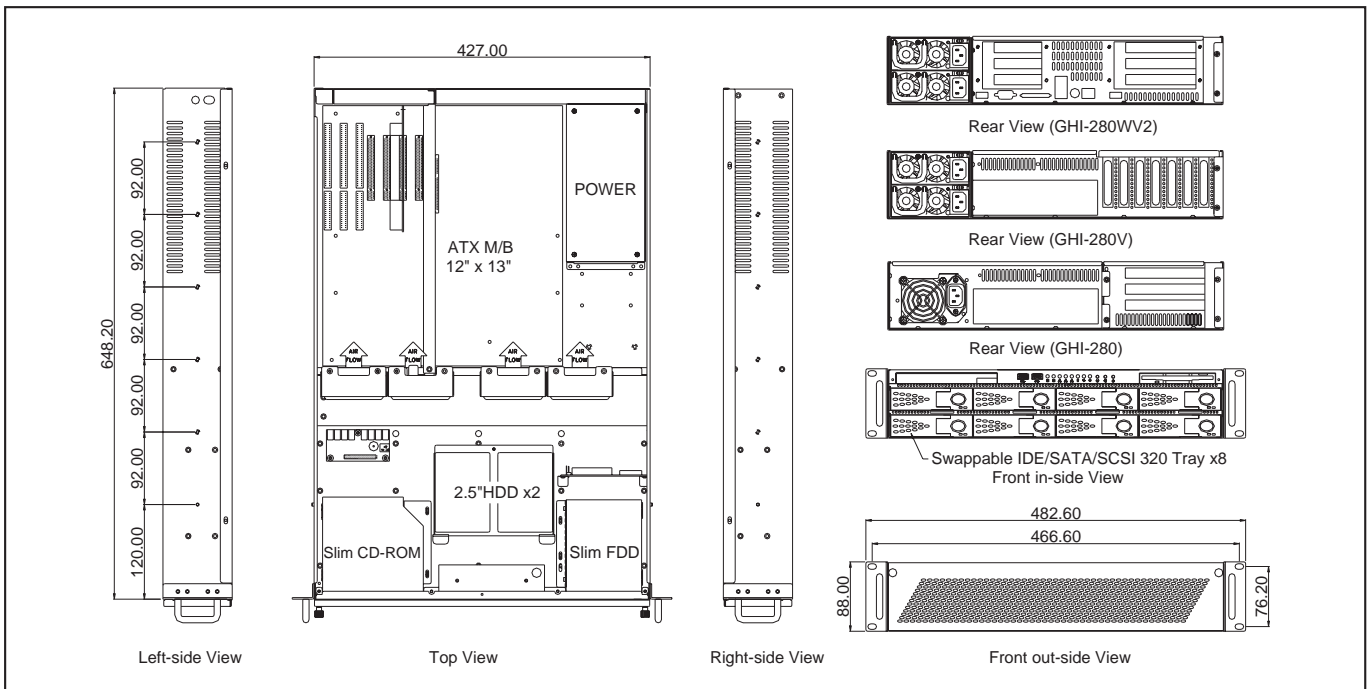
## 2U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Dual Xeon, Athlon 64, Dual Opteron
- **Support EATX M/B (Max. to 12" x 13") SSI EEB 3.0**
- **Drive Capacity:** 1x Slim CD-ROM & 1x Slim FDD & 8x 3.5" Swappable Trays & 2x 2.5"HDD & 1x3.5"HDD (Optional)
- **Drive Interface:** PATA, SATA, SCSI320 or Multilane SATA
- **Power Supply (Optional):** 2U Single up to 600W or 2U Redundant up to 500W ATX P/S(Rear Installation) Max. Depth 300mm
- **Cooling:** 4x (80mm = 42.5CFM ea.) Fans
- **Front Door:** Single Door with 2 Thumbscrews (Removeable)
- **Riser Card:** GHP-R0301 (32bit Ribbon) or GHP-R0304 (64bit Ribbon) (Optional)
- **Connector Port (Front):** 2x USB Ports
- **Expansion Slots(Optional):** 2 or 3x Horizontal ISA/PCI/AGP Option Slots(GHI-280)  
7x Low Profile PCI Slots(GHI-280V)  
6x Horizontal Slots(3 Slots 64Bit ea.)(GHI-280WV2)
- **Thermal Management Card:** GHA-CO04
- **Indicators:** LEDs for Power ON/OFF, HDD Activity, Fan, Temperature, LAN
- **Switch:** Power ON/OFF Momentary (Pushbutton), System Reset, Buzzer Reset
- **Dimensions (WxHxD):** 483x88x650mm (19" x 3.5" x 25.6")
- **Cuft:** 4.4
- **GW:** 18.5kgs / 40.8lbs
- **Carton Size(cm):** 58.8 x 25.5 x 82.5 (23.1" x 10.0" x 32.5")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GHI-281/281V/281WV2

## 2U Rackmount Chassis

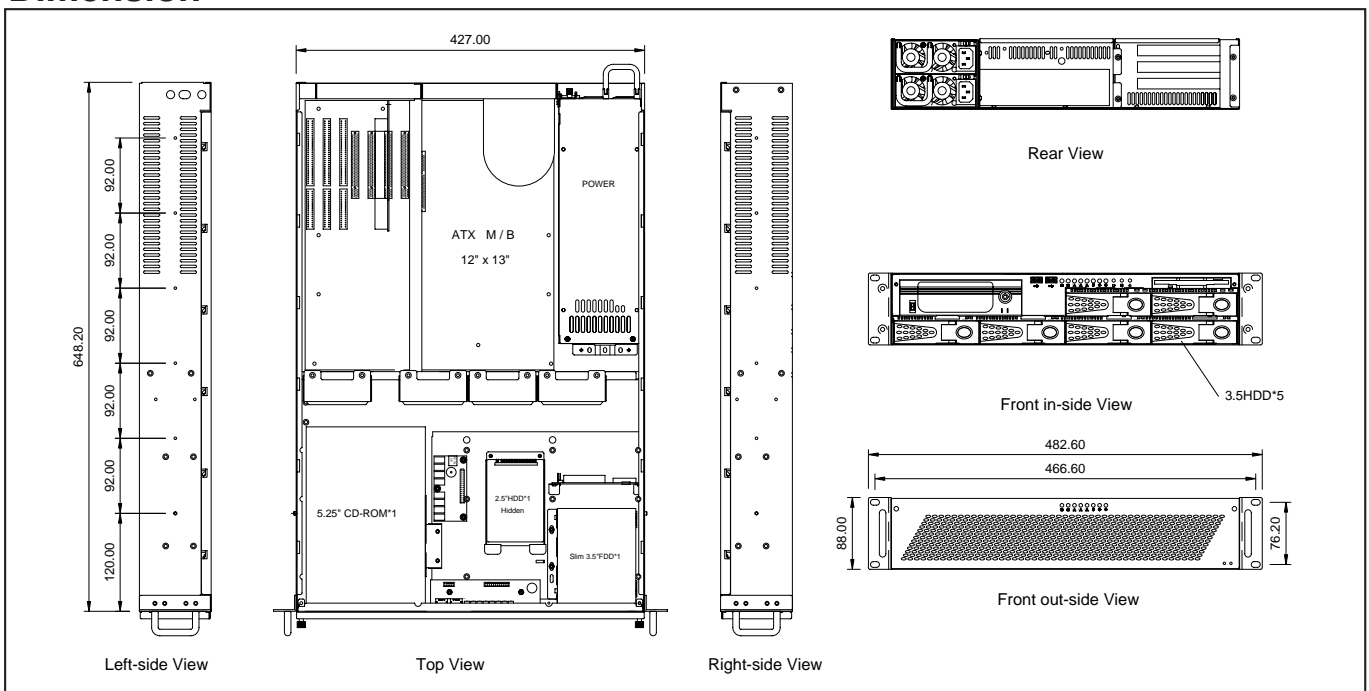


19" Rackmount

### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Dual Xeon, Athlon 64, Dual Opteron
- **Support EATX M/B (Max. to 12" x 13") SSI EEB 3.0**
- **Drive Capacity:** 1x 5.25" & 1x Slim FDD & 6x 3.5" Swappable Trays & 1x 2.5"HDD
- **Drive Interface:** PATA, SATA, SCSI320
- **Power Supply (Optional):** 2U Single up to 600W or 2U Redundant up to 500W ATX P/S(Rear Installation) Max. Depth 300mm
- **Cooling:** 4x (80mm = 42.5CFM ea.) Fans
- **Front Door:** Single Door with 2 Thumbscrews (Removeable)
- **Riser Card:** GHP-R0301 (32bit Ribbon) or GHP-R0304 (64bit Ribbon) (Optional)
- **Connector Port (Front):** 2x USB Ports
- **Expansion Slots(Optional):** 2 or 3x Horizontal ISA/PCI/AGP Option Slots(GHI-281)  
7x Low Profile PCI Slots(GHI-281V)  
6x Horizontal Slots(3 Slots 64Bit ea.)(GHI-281WV2)
- **Thermal Management Card:** GHA-CO04
- **Indicators:** LEDs for Power ON/OFF , HDD Activity, Fan, Temperature, LAN
- **Switch:** Power ON/OFF Momentary (Pushbutton), System Reset, Buzzer Reset
- **Dimensions (WxHxD):** 483x88x650mm (19" x 3.5" x 25.6")
- **Cuft:** 4.4
- **GW:** 18.5kgs / 40.8lbs
- **Carton Size(cm):** 58.8 x 25.5 x 82.5 (23.1" x 10.0" x 32.5")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GHI-282/282V

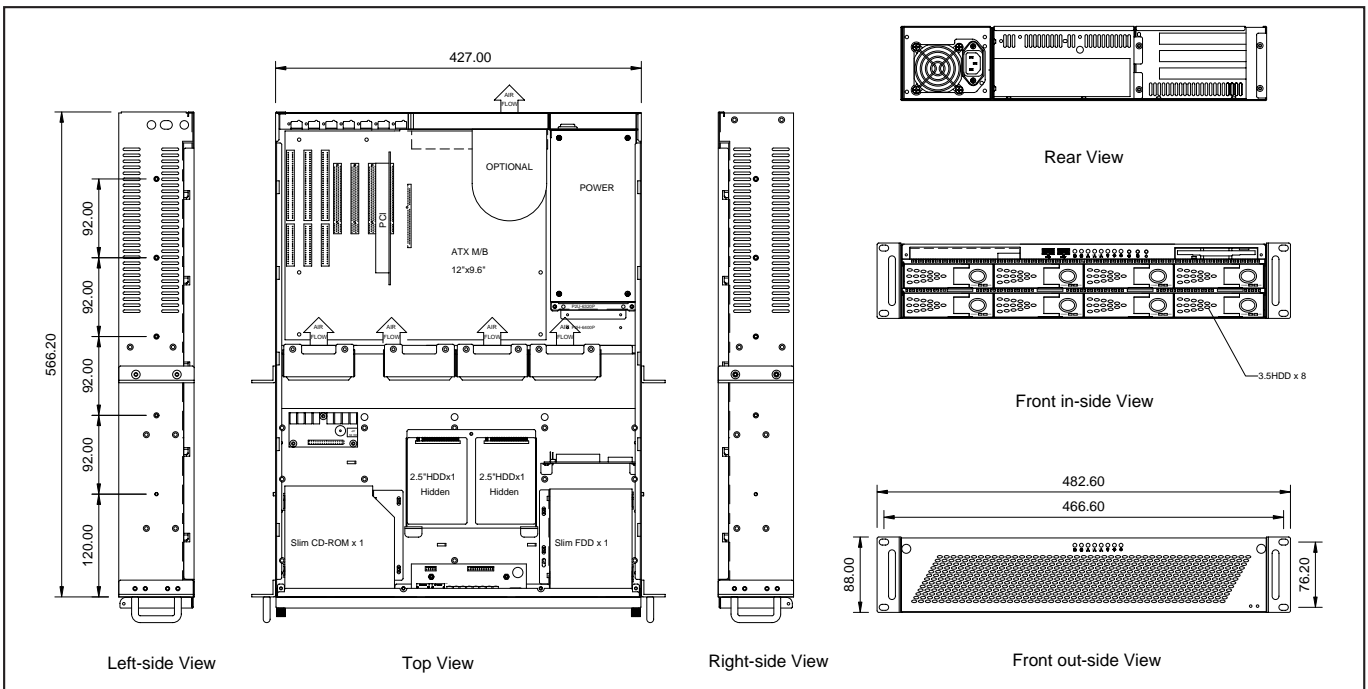
## 2U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Dual Xeon, Athlon 64
- **Support ATX M/B (Max. to 12" x 9.6")**
- **Drive Capacity:** 1x Slim CD-ROM & 1x Slim FDD & 8x 3.5" Swappable Trays & 2x 2.5"HDD
- **Drive Interface:** PATA, SATA, SCSI320 or Multilane SATA
- **Power Supply (Optional):** 2U Single up to 510W ATX P/S (Rear Installation) Max. Depth 240mm
- **Cooling:** 4x (80mm = 42.5CFM ea.) Fan
- **Front Door:** Single Door with 2 Thumbscrews(Removeable)
- **Riser Card:** GHP-R0301 (32bit Ribbon) or GHP-R0304 (64bit Ribbon) (Optional)
- **Connector Port (Front):** 2x USB Ports
- **Expansion Slots (Optional):** 2 or 3x Horizontal ISA/PCI/AGP Option Slots(GHI-282)  
7x Low Profile PCI Slots(GHI-282V)
- **Thermal Management Card:** GHA-CO04
- **Indicators:** LEDs for Power ON/OFF, HDD Activity, Fan, Temperature, LAN
- **Switch:** Power ON/OFF Momentary (Pushbutton), System Reset, Buzzer Reset
- **Dimensions (WxHxD):** 483x88x565mm (19" x 3.5" x 22.2")
- **Cuft:** 3.9
- **GW:** 17.5kgs / 38.5lbs
- **Carton Size(cm):** 58.8 x 25.5 x 74.5 (23.1" x 10.0" x 29.3")
- **Humidity:** 5% - 95% Non-condensing

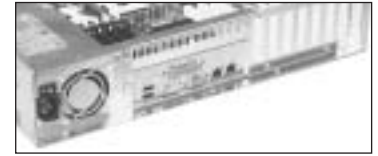
### Dimension





# GHI-283/283V/283WV2

## 2U Rackmount Chassis

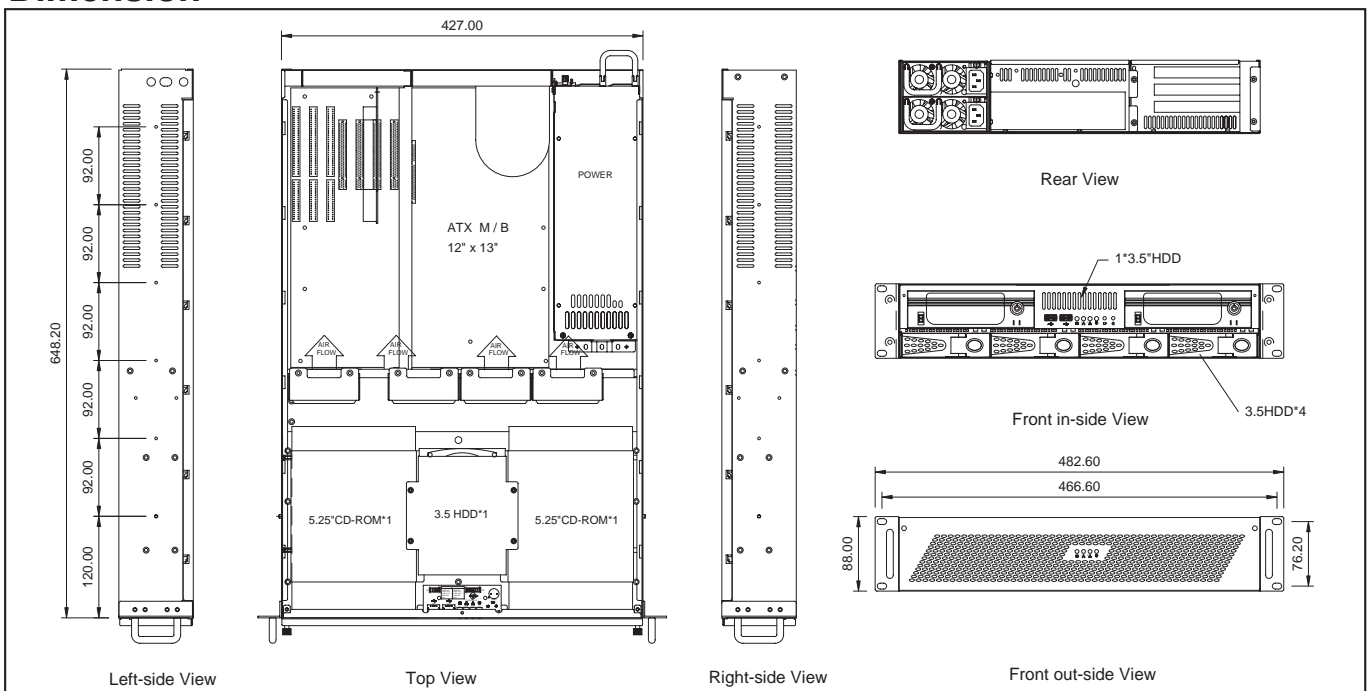


19" Rackmount

## Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Dual Xeon, Pentium 4, Athlon 64, Dual Opteron
- **Support EATX M/B (Max. to 12" x 13") SSI EEB 3.0**
- **Drive Capacity:** 2x 5.25" & 1x 3.5"HDD & 4x 3.5" Swappable Trays
- **Drive Interface:** PATA, SATA, SCSI320 or Multilane SATA
- **Power Supply (Optional):** 2U Single up to 600W or 2U Redundant up to 500W ATX P/S(Rear Installation) Max. Depth 300mm
- **Cooling:** 4x (80mm = 42.5CFM ea.)Fans
- **Front Door:** Single Door with 2 Thumbscrews (Removeable)
- **Riser Card:** GHP-R0301 (32bit Ribbon) or GHP-R0304 (64bit Ribbon) (Optional)
- **Connector Port (Front):** 2x USB Ports
- **Expansion Slots(Optional):** 2 or 3x Horizontal ISA/PCI/AGP Option Slots(GHI-283)  
7x Low Profile PCI Slots(GHI-283V)  
6x Horizontal Slots(3 Slots 64Bit ea.)(GHI-283WV2)
- **Indicators:** LEDs for Power ON/OFF, HDD Activity, Fan, Temperature, LAN
- **Switch:** Power ON/OFF Momentary (Pushbutton), System Reset, Buzzer Reset
- **Dimensions (WxHxD):** 483x88x650mm (19" x 3.5" x 25.6")
- **Cuft:** 4.4
- **GW:** 18.5kgs / 40.8lbs
- **Carton Size(cm):** 58.8 x 25.5 x 82.5 (23.1" x 10" x 32.5")
- **Humidity:** 5% - 95% Non-condensing

## Dimension



# GH-288SR

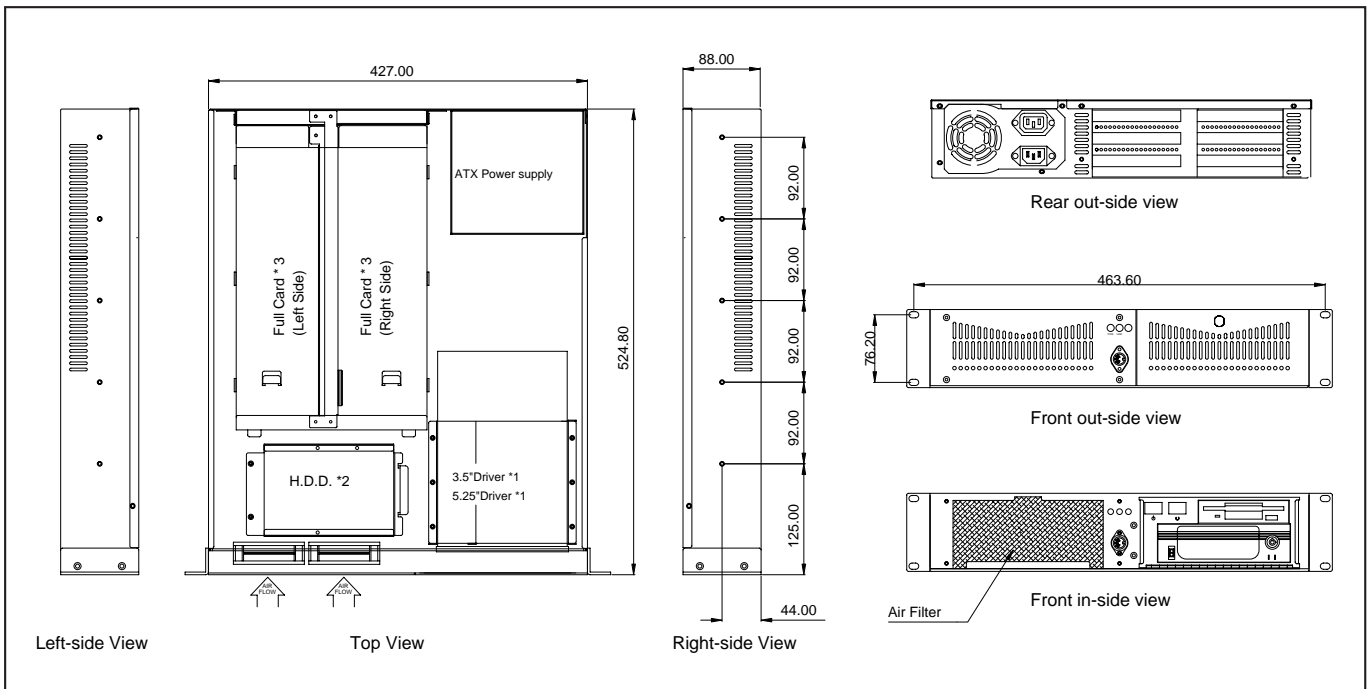
## 2U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **Support 6-slot Passive Backplane**
- **Drive Capacity:** 1x 5.25" & 1x 3.5" & 2x 3.5" HDD
- **Power Supply (Optional):** PS/2 size Single up to 700W or Mini Redundant up to 500W P/S (Rear Installation)
- **Cooling:** 2x (80mm = 42.5CFM ea.) Fans
- **Front Door:** Drive panel door with Keylock
- **Air Filter:** Inside Front Panel (Washable)
- **Connector Port (Front):** 1x PS/2 Port
- **Indicators:** LEDs for Power ON/OFF, HDD Activity
- **Switch:** Power ON/OFF Momentary (Rocker), System Reset
- **Dimensions (WxHxD):** 483x88x526mm (19" x 3.5" x 20.7")
- **Cuft:** 3.6
- **GW:** 15.0kgs / 33.1lbs
- **Carton Size(cm):** 58.8 x 25.5 x 68.5 (23.1" x 10.0" x 27.0")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GHI-289

## 2U Rackmount Chassis

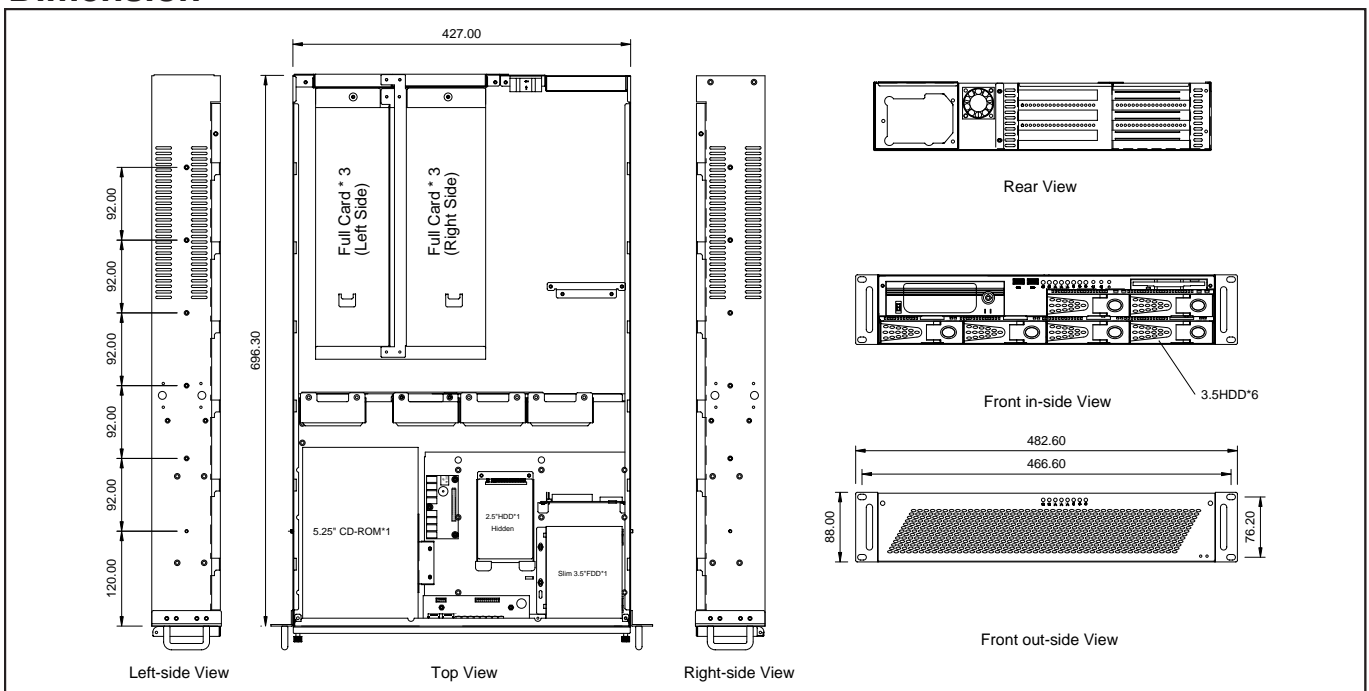


19" Rackmount

### Specifications

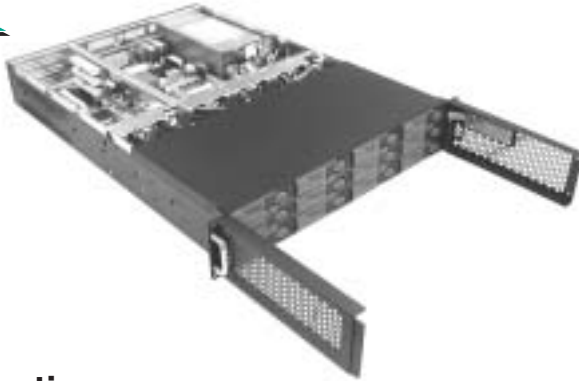
- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **Supports 6 Slot Passive Backplane**
- **Drive Capacity:** 1x 5.25", 1x Slim FDD, 6x Hot Swappable Drive Tray & 1x 2.5" HDD
- **Drive Interface:** PATA, SATA, SCSI320
- **Power Supply (Optional):** 2U Single up to 600W or 2U Redundant up to 500W ATX P/S ea. (Rear Installation) Max Depth 300mm
- **Cooling:** 4x (80mm = 42.5CFM ea.) Fans & 1x (40mm = 15.3CFM ea.) Fans
- **Front Door:** Single Door with 2 Thumbscrews
- **Connector Port (Front):** 2x USB Ports
- **Thermal Management Card:** GHA-CO04
- **Indicators:** LEDs for Power ON/OFF, 2x HDD, Fan, & 3x LAN Activity
- **Switch:** Power ON/OFF Momentary(Rocker), System Reset
- **Dimensions (WxHxD):** 483x88x526mm (19" x 3.5" x 25.6")
- **Cuft:** 4.4
- **GW:** 18.5kgs / 40.8lbs
- **Carton Size (cm):** 58.8 x 82.5 x 70.3 (23.1" x 10.0" x 32.5")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GHI-290/290V/290WV2

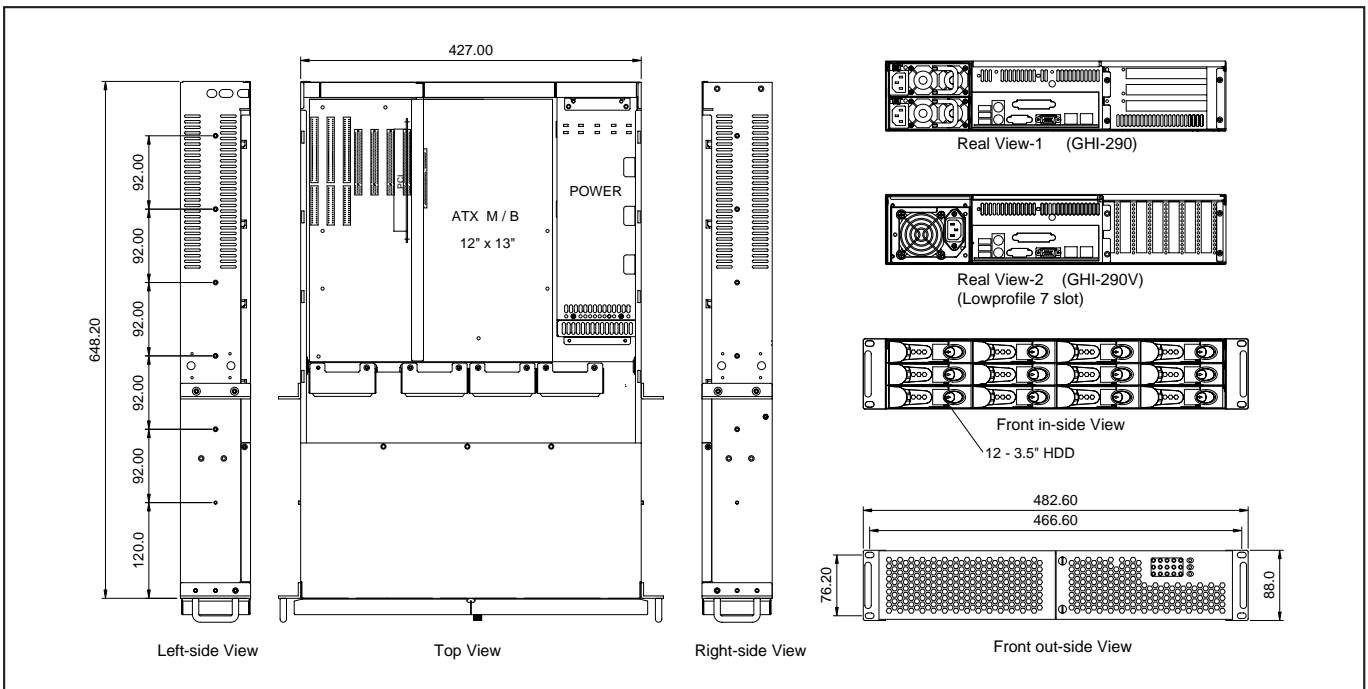
## 2U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Dual Xeon, Athlon 64, Dual Opteron
- **Support EATX M/B (Max. to 12" x 13") SSI EEB 3.0**
- **Drive Capacity:** 12x 3.5" Swappable Trays
- **Drive Interface:** SATA, SCSI320 or Multilane SATA
- **Power Supply (Optional):** 2U Single up to 600W or 2U Redundant up to 500W ATX P/S(Rear Installation) Max. Depth 300mm
- **Cooling:** 4x (80mm = 42.5CFM ea.) Fans
- **Front Door:** Double Horizontal Doors with 2 Thumbscrews
- **Riser Card:** GHP-R0301 (32bit Ribbon) or GHP-R0304 (64bit Ribbon) (Optional)
- **Expansion Slots(Optional):** 2 or 3x Horizontal ISA/PCI/AGP Option Slots(GHI-290) or 7x Low Profile PCI Slots(GHI-290V) or 6x Horizontal Slots(3 Slots 64Bit ea.)(GHI-290WV2)
- **Thermal Management Card:** GHA-CO08
- **Indicators:** LEDs for Power ON/OFF, HDD Activity, Fan, Temperature, LAN
- **Switch:** Power ON/OFF Momentary (Pushbutton), System Reset, Buzzer Reset
- **Dimensions (WxHxD):** 483x88x650mm (19" x 3.5" x 25.6")
- **Cuft:** 4.4
- **GW:** 18.5kgs / 40.8lbs
- **Carton Size(cm):** 58.8 x 25.5 x 82.5 (23.1" x 10.0" x 32.5")
- **Humidity:** 5% - 95% Non-condensing

### Dimension





# GH-310ATXR

## 3U Rackmount Chassis

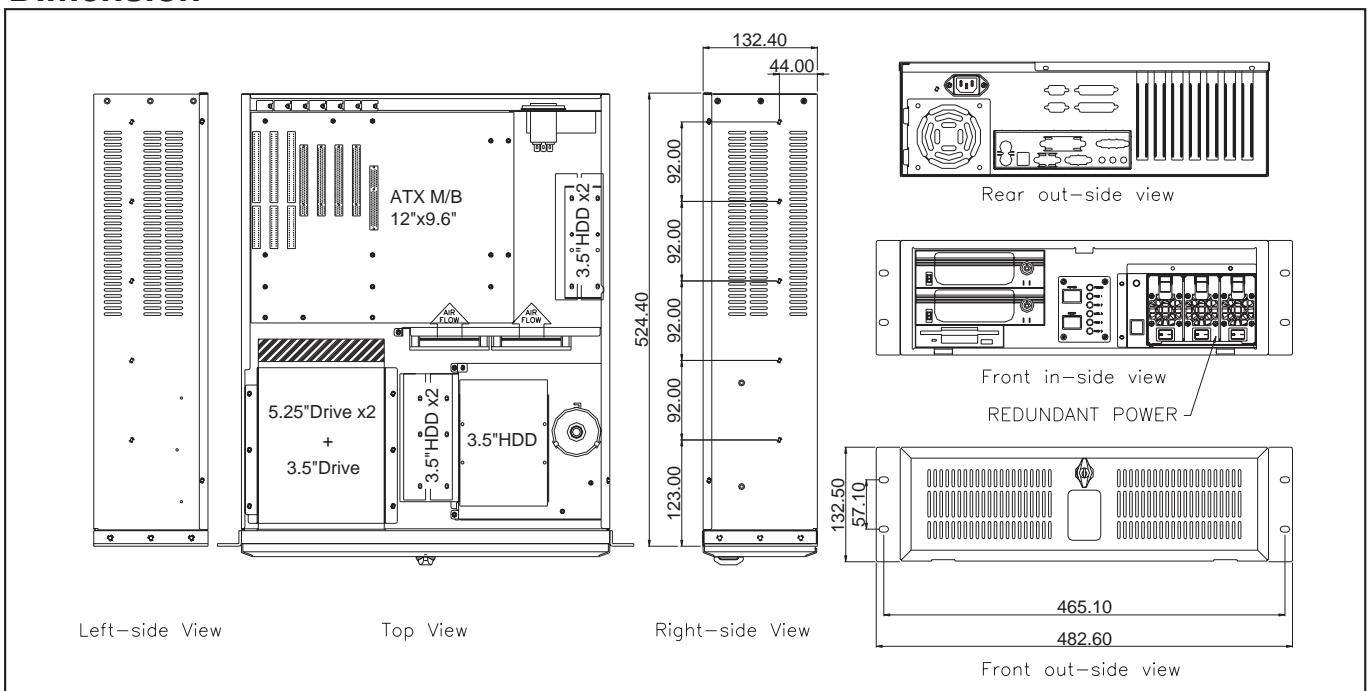


19" Rackmount

### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Dual Xeon, Pentium 4, Athlon 64, Dual Opteron, Pentium 4
- **Support ATX M/B (Max. to 12" x 9.6")**
- **Drive Capacity:** 2x 5.25" & 1x 3.5" & 5x 3.5" HDD
- **Power Supply (Optional):** PS/2 size single up to 700W or Mini Redundant up to 500W ATX P/S (Front Installation) Max. Depth of 205mm
- **Cooling:** 1x(80mm = 42.5CFM ea.) & 2x (92mm = 51CFM ea.) Fans
- **Front Door:** Single Door with 1 Thumb Twist Keylock
- **Air Filter:** Inside Front Door (Washable)
- **Expansion Slots:** 7 slot
- **Indicators:** LEDs for Power ON/OFF, HDD Activity
- **Switch:** Power ON/OFF Momentary (Rocker), System Reset
- **Dimensions (WxHxD):** 483x133x526mm(19" x 5.2" x 20.7")
- **Cuft:** 4.2
- **GW:** 16.0kgs / 35.3lbs
- **Carton Size(cm):** 58.8 x 28.5 x 70.3 (23.1" x 11.2" x 27.7")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GHI-312

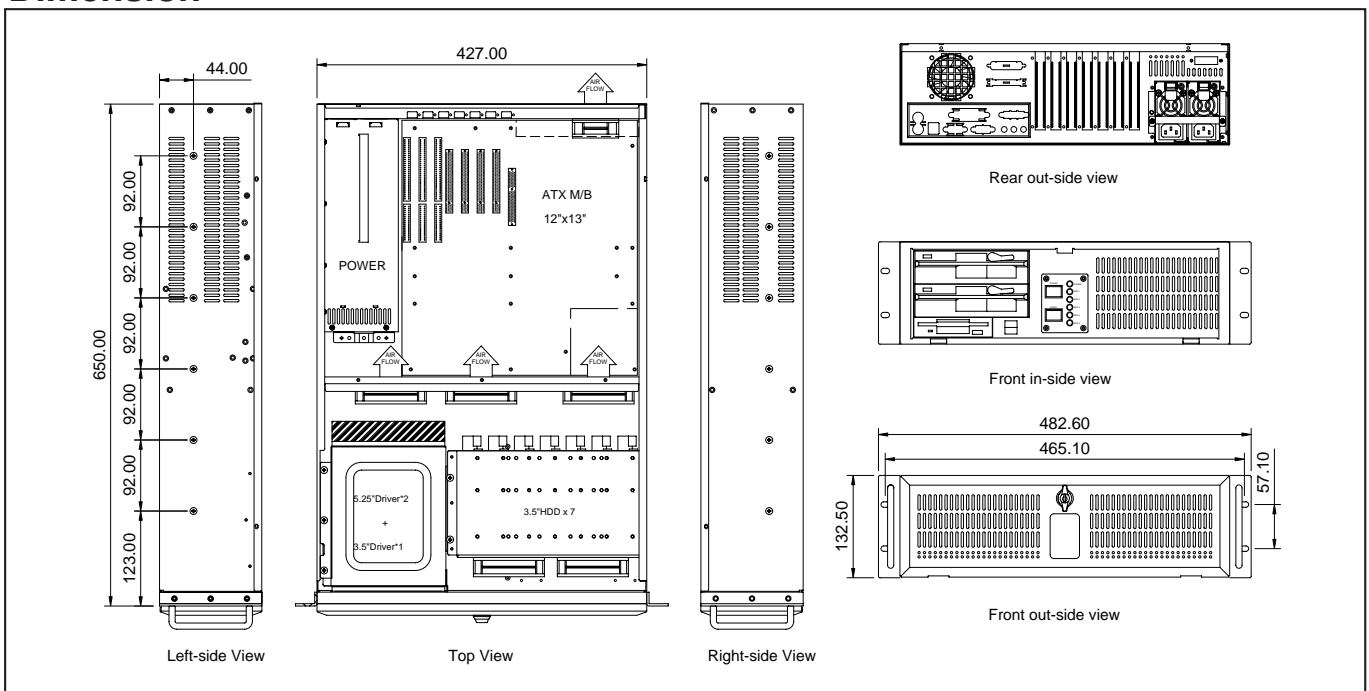
## 3U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Dual Xeon, Pentium 4, Athlon 64, Dual Opteron
- **Support EATX M/B (Max. to 12" x 13") SSI EEB 3.0**
- **Drive Capacity:** 2x 5.25" & 1x 3.5" & 7x 3.5" HDD & 2x 3.5" HDD (Optional)
- **Power Supply (Optional):** 2U Single up to 700W or 2U Redundant up to 500W ATX P/S (Rear Installation) Max. Depth 300mm
- **Cooling:** 5x (92mm = 51CFM ea.) & 1x (60mm = 23.5CFM ea.) Fans
- **Front Door:** Single Door with 1 Thumb Twist Keylock
- **Air Filter:** Inside Front Door (Washable)
- **Connector Port (Front):** 2x USB Ports
- **Expansion Slots:** 7 slot
- **Indicators:** LEDs for Power ON/OFF, HDD Activity
- **Switch:** Power ON/OFF Momentary(Rocker), System Reset
- **Dimensions (WxHxD):** 483x133x650mm (19" x 5.2" x 25.6")
- **Cuft:** 5.3
- **GW:** 13.0kgs / 28.7lbs
- **Carton Size(cm):** 81.8 x 59.4 x 31.0 (32.2" x 23.4" x 12.2")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GHI-313

## 3U Rackmount Chassis

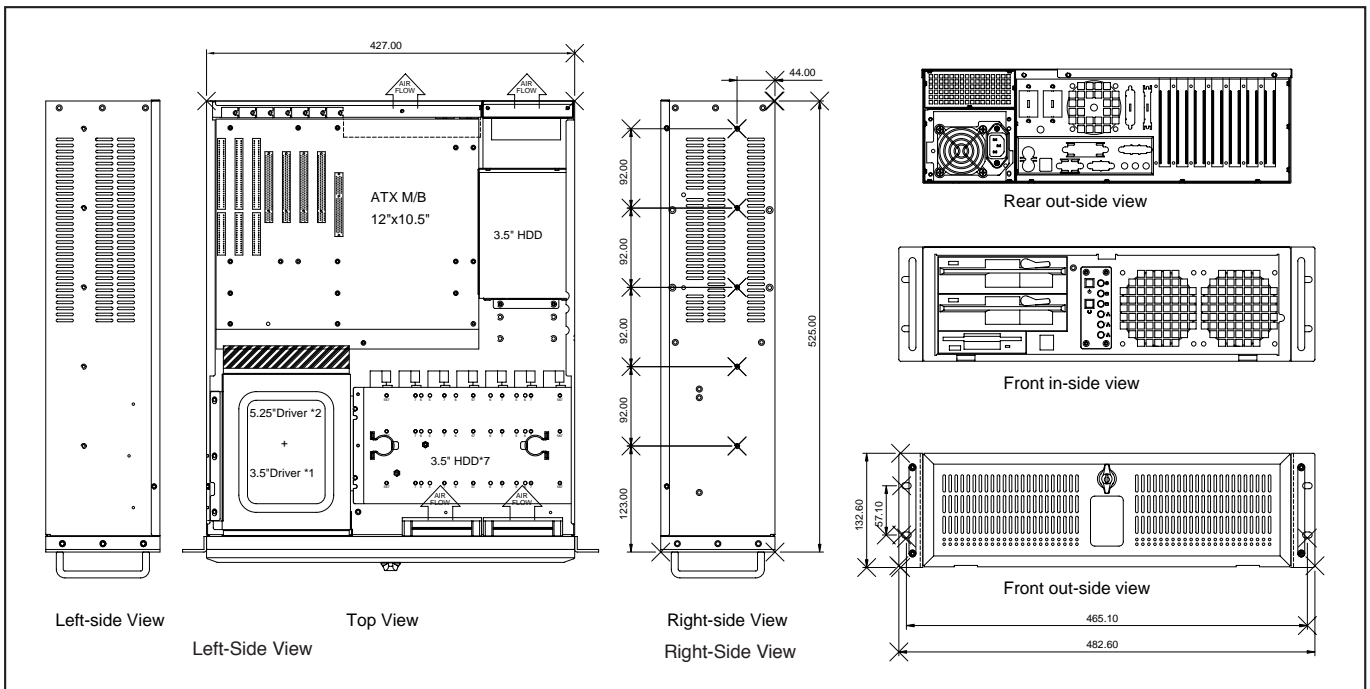


19" Rackmount

### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Dual Xeon, Athlon 64
- **Supports ATX M/B (Max. to 12" x 10.5")**
- **Drive Capacity:** 2x 5.25", 1x 3.5" FDD & 7x 3.5" HDD & 1x 3.5" HDD (Optional)
- **Power Supply (Optional):** 2U Single up to 600W or 2U Redundant up to 500W ATX P/S ea. (Rear Installation) Max Depth 250mm
- **Cooling:** 2x (92mm = 51CFM ea.) Fans & 1x (60mm = 23.5CFM ea.) Fan
- **Front Door:** Single Door with 1 Thumb Twist Keylock
- **Air Filter:** Inside Front Door (Washable)
- **Connector Port (Front):** 2x USB Ports
- **Indicators:** LEDs for Power ON/OFF, 2x HDD, Fan, & 3x LAN Activity
- **Switch:** Power ON/OFF Momentary (Rocker), System Reset
- **Dimensions (WxHxD):** 483x133x 526mm (19" x 5.2" x 20.7")
- **Cuft:** 4.2
- **GW:** 33.5kgs / 73.9lbs
- **Carton Size (cm):** 58.8 x 28.5 x 70.3 (23.1" x 11.2" x 27.7")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GH-341ATX

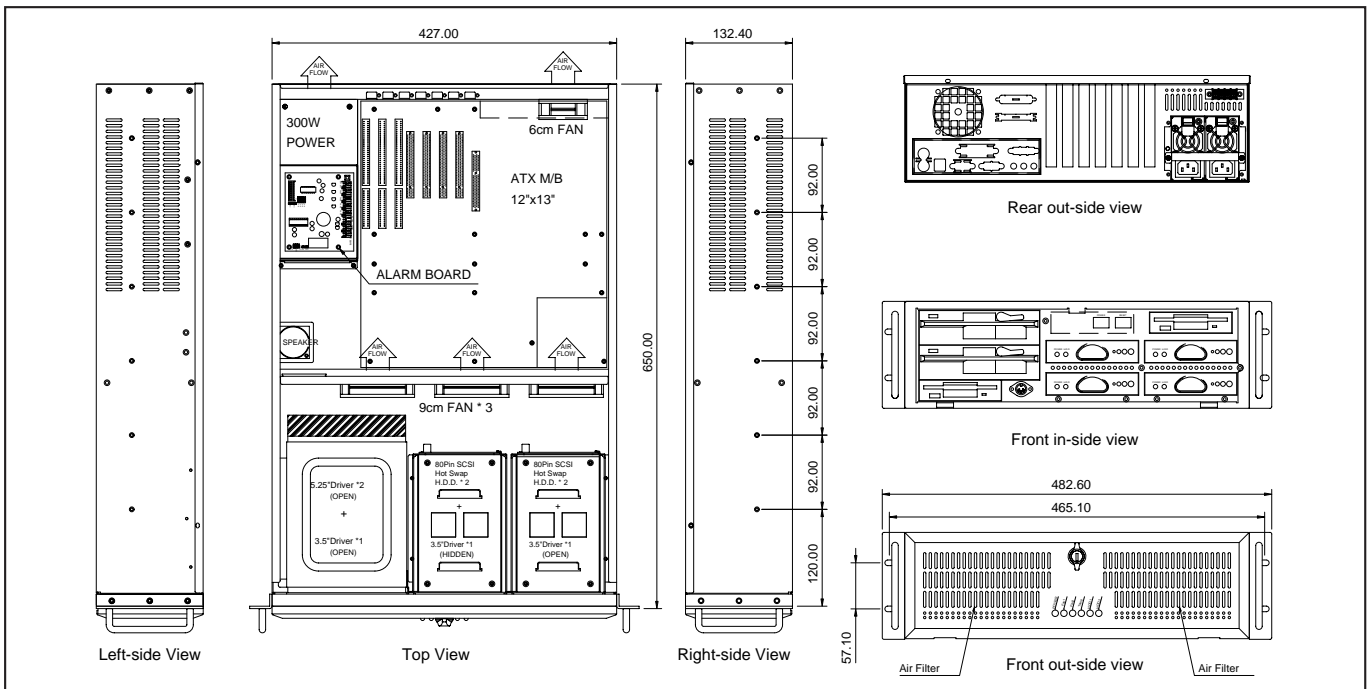
## 3U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Dual Xeon, Athlon 64, Dual Opteron
- **Support EATX M/B (Max. to 12" x 13") SSI EEB 3.0**
- **Drive Interface:** SCSI 320
- **Drive Capacity:** 2x 5.25" & 2x 3.5" & 1x 3.5" HDD & 4x 3.5" Hot Swappable SCSI 320 Trays
- **Power Supply(Optional):** 2U Single up to 700W or 2U Redundant up to 500W ATX P/S (Rear Installation) Max. Depth 300mm
- **Cooling:** 3x (92mm = 51CFM ea.) & 1x (60mm = 23.5CFM ea.) Fans
- **Front Door:** Single Door with 1 Thumb Twist Keylock
- **Air Filter:** Inside Front Door (Washable)
- **Connector Port (Front):** 1x PS/2 Port
- **Expansion Slots:** 7 slot Full Length
- **Thermal Management Card:** GHA-CO01
- **Indicators:** LEDs for Power ON/OFF, HDD Activity
- **Switch:** Power ON/OFF Momentary(Rocker), System Reset
- **Dimensions(WxHxD):** 483x133x650mm (19" x 5.2" x 25.6")
- **Cuft:** 5.3
- **GW:** 13.0kgs / 39.7lbs
- **Carton Size(cm):** 59.4 x 31.0 x 81.8(23.4" x 12.2" x 32.2")
- **Humidity:** 5% - 95% Non-condensing

### Dimension





# GHI-350

## 3U Rackmount Chassis

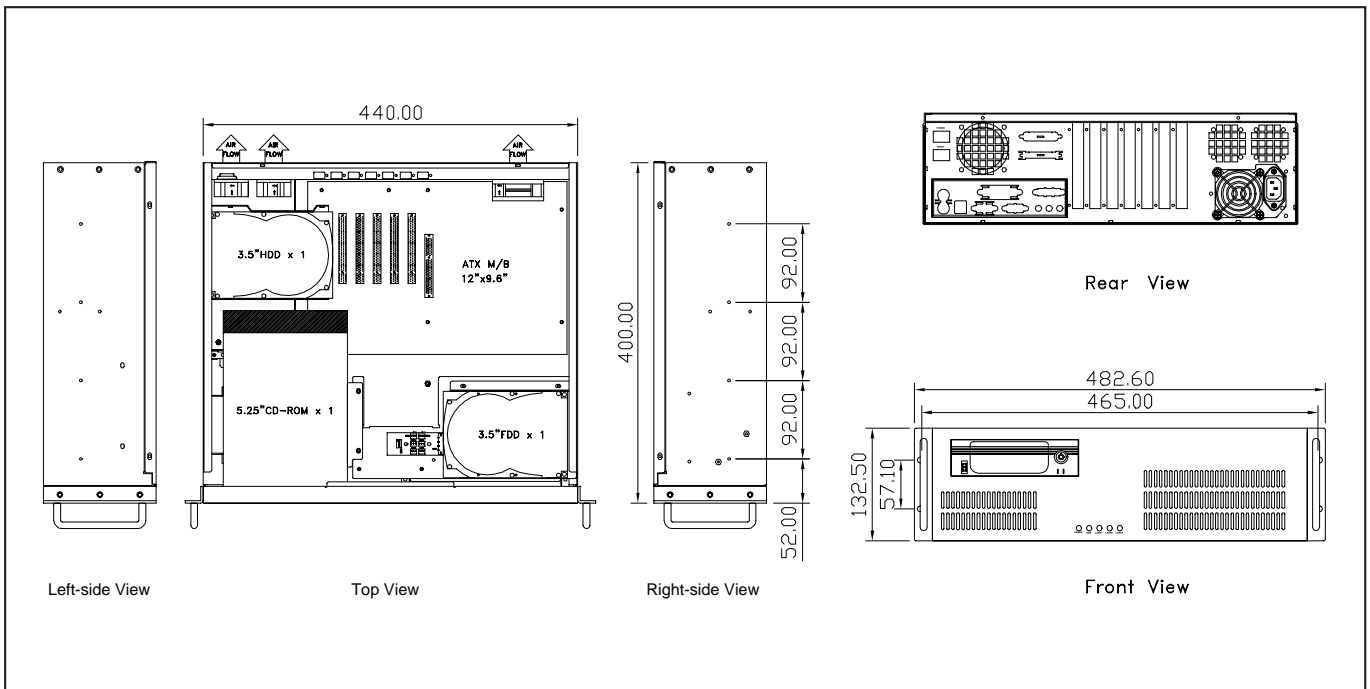
19" Rackmount



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Dual Xeon, Athlon 64
- **Support ATX M/B (Max. to 12" x 9.6")**
- **Drive Capacity:** 1x 5.25" & 2x 3.5" HDD
- **Power Supply(Optional):** 2U Single 300~460W ATX P/S  
Max. Depth 270mm
- **Cooling:** 2x (80mm = 42.5CFM ea.) & 2x (40mm = 7CFM ea.) Fans & 1x (60mm 23.5CFM ea.) Fan (Optional)
- **Expansion Slots:** 7 slot
- **Indicators:** LEDs for Power ON/OFF, HDD Activity, LAN
- **Flexible Hold Down Bar Designed**
- **Switch:** Power ON/OFF, System Reset on Rear Side
- **Dimensions (WxHxD):** 483x133x400mm (19" x 5.2" x 15.7")
- **Cuft:** 3.5
- **GW:** 12.5kgs / 27.5lbs
- **Carton Size(cm):** 58.0 x 28.5 x 59.9 (22.8" x 11.2" x 23.6")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GHI-380

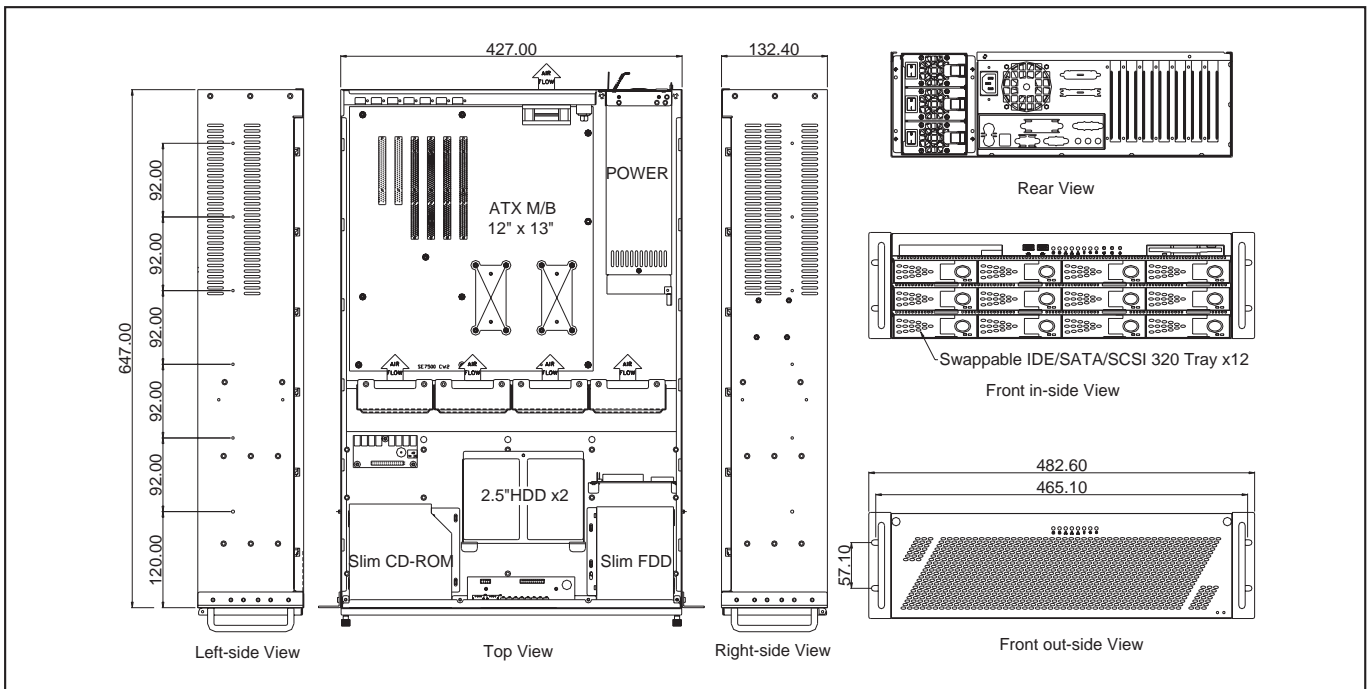
## 3U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Dual Xeon, Athlon 64, Dual Opteron
- **Support EATX M/B (Max. to 12" x 13") SSI EEB 3.0**
- **Drive Capacity:** 1x Slim CD-ROM & 1x Slim FDD & 12x 3.5" Swappable Trays & 2x 2.5HDD & 2x 3.5"HDD (Optional)
- **Drive Interface:** PATA, SATA, SCSI320 or Multilane SATA
- **Power Supply(Optional):** 2U Single up to 650W or 2U Redundant up to 500W or 3U Single up to 950W ATX P/S or 3U Redundant up to 650W ATX P/S (Rear Installation) Max. Depth 300mm
- **Cooling:** 4x (92mm = 51CFM ea) & 1x (60mm = 23.5CFM ea.) Fan
- **Front Door:** Single Door with 2 Thumbscrews(Removeable)
- **Connector Port (Front):** 2x USB Ports
- **Expansion Slots:** 7 slot full length
- **Thermal Management Card:** GHA-CO04
- **Indicators:** LEDs for Power ON/OFF , HDD Activity, Fan, Temperature, LAN
- **Switch:** Power ON/OFF Momentary (Pushbutton), System Reset, Buzzer Reset
- **Dimensions (WxHxD):** 483x133x650mm(19" x 5.2" x 25.6")
- **Cuft:** 5.3
- **GW:** 22.0kgs / 48.5lbs
- **Carton Size(cm):** 81.8 x 31.0 x 59.4 (32.2" x 12.2" x 23.4")
- **Humidity:** 5% - 95% Non-condensing

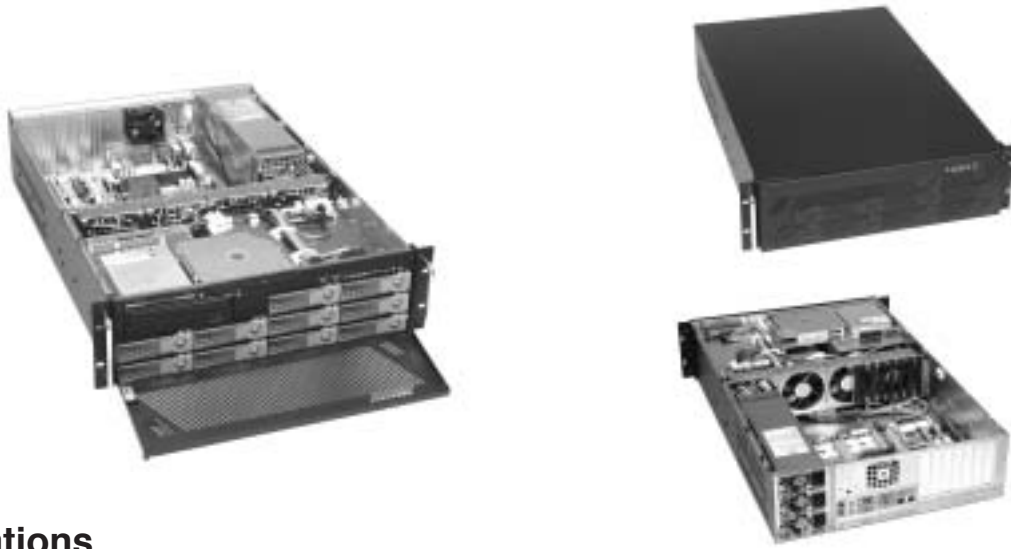
### Dimension



# GHI-381

## 3U Rackmount Chassis

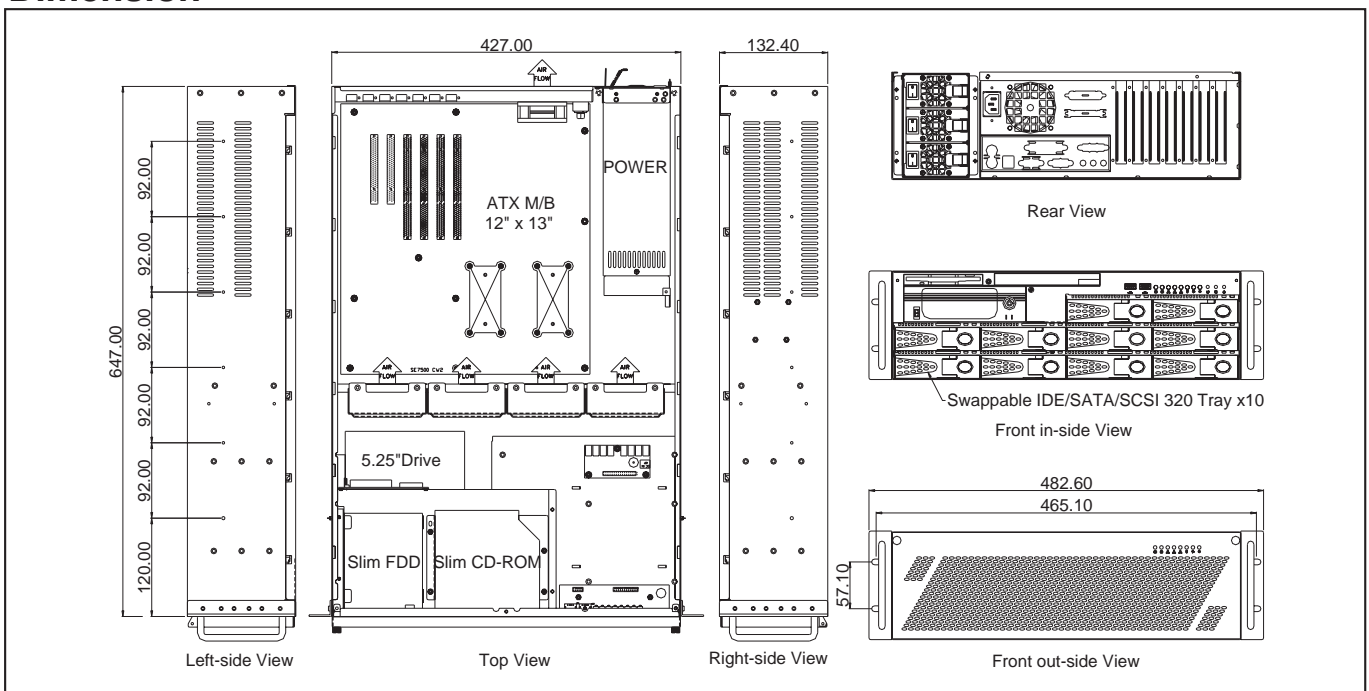
19" Rackmount



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Dual Xeon, Dual Opteron, Pentium 4, Dual Pentium III
- **Support EATX M/B(Max. to 12"x13")SSI EEB 3.0**
- **Drive Capacity:** 1x 5.25" & 1x Slim CD-ROM & 1x Slim FDD & 10x 3.5"Swappable Trays
- **Drive Interface:** PATA, SATA, SCSI320 or Multilane SATA
- **Power Supply(Optional):** 2U Single up to 650W or 2U Redundant up to 500W or 3U Single up to 950W ATX P/S or 3U Redundant up to 650W ATX P/S (Rear Installation) Max. Depth 300mm
- **Cooling:** 4x (92cm = 51CFM ea.) & 1x (60mm = 23.5CFM ea.) Fan
- **Front Door:** Single Door with 2 Thumbscrews(Removeable)
- **Connector Port (Front):** 2x USB Ports
- **Expansion Slots:** 7 slot full length
- **Thermal Management Card:** GHA-CO04
- **Indicators:** LEDs for Power ON/OFF, HDD Activity, Fan, Temperature, LAN
- **Switch:** Power ON/OFF Momentary (Pushbutton), System Reset, Buzzer Reset
- **Dimensions (WxHxD):** 483x133x650mm(19" x 5.2" x 25.6")
- **Cuft:** 5.3
- **GW:** 22.0kgs / 48.5lbs
- **Carton Size(cm):** 81.8 x 31.0 x 59.4 (32.2" x 12.2" x 23.4")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GHI-390

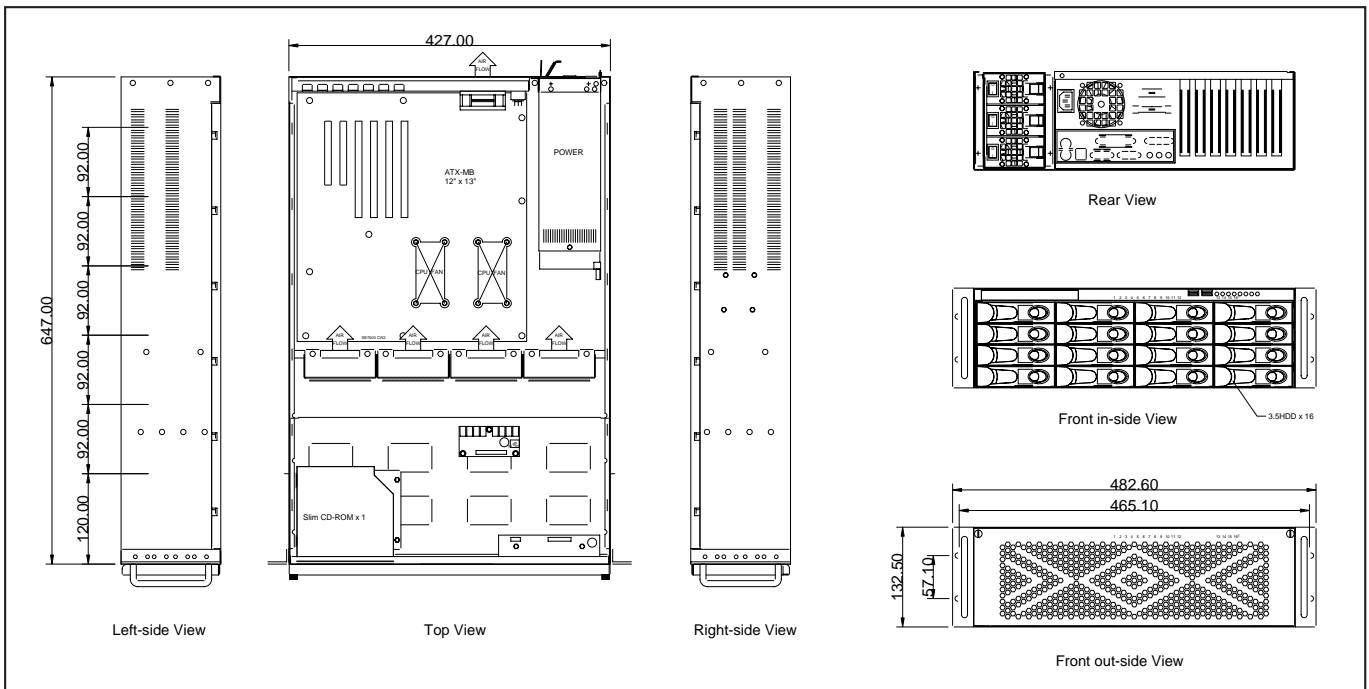
## 3U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Dual Xeon, Athlon 64, Dual Opteron
- **Support EATX M/B (Max. to 12" x 13") SSI EEB 3.0**
- **Drive Capacity:** 1x Slim CD-ROM & 16x 3.5" Swappable Trays
- **Drive Interface:** SATA, SCSI320 or Multilane SATA
- **Power Supply(Optional):** 2U Single up to 650W or 2U Redundant up to 500W or 3U Single up to 950W ATX P/S or 3U Redundant up to 650W ATX P/S (Rear Installation) Max. Depth 300mm
- **Cooling:** 4x(92mm = 51CFM ea) & 1x (60mm = 23.5CFM ea.) Fan
- **Front Door:** Single Door with 2 Thumbscrews (Removeable)
- **Connector Port (Front):** 2x USB Ports
- **Expansion Slots:** 7 Slot Full Length
- **Thermal Management Card:** GHA-CO04
- **Indicators:** LEDs for Power ON/OFF , HDD Activity, Fans, Temperature, LAN
- **Switch:** Power ON/OFF Momentary (Pushbutton), System Reset, Buzzer Reset
- **Dimensions (WxHxD):** 483x133x650mm (19" x 5.2" x 25.6")
- **Cuft:** 5.3
- **GW:** 22.0kgs / 48.5lbs
- **Carton Size(cm):** 81.8 x 31.0 x 59.4 (32.2" x 12.2" x 23.4")
- **Humidity:** 5% - 95% Non-condensing

### Dimension





# GH-400ATX/400S

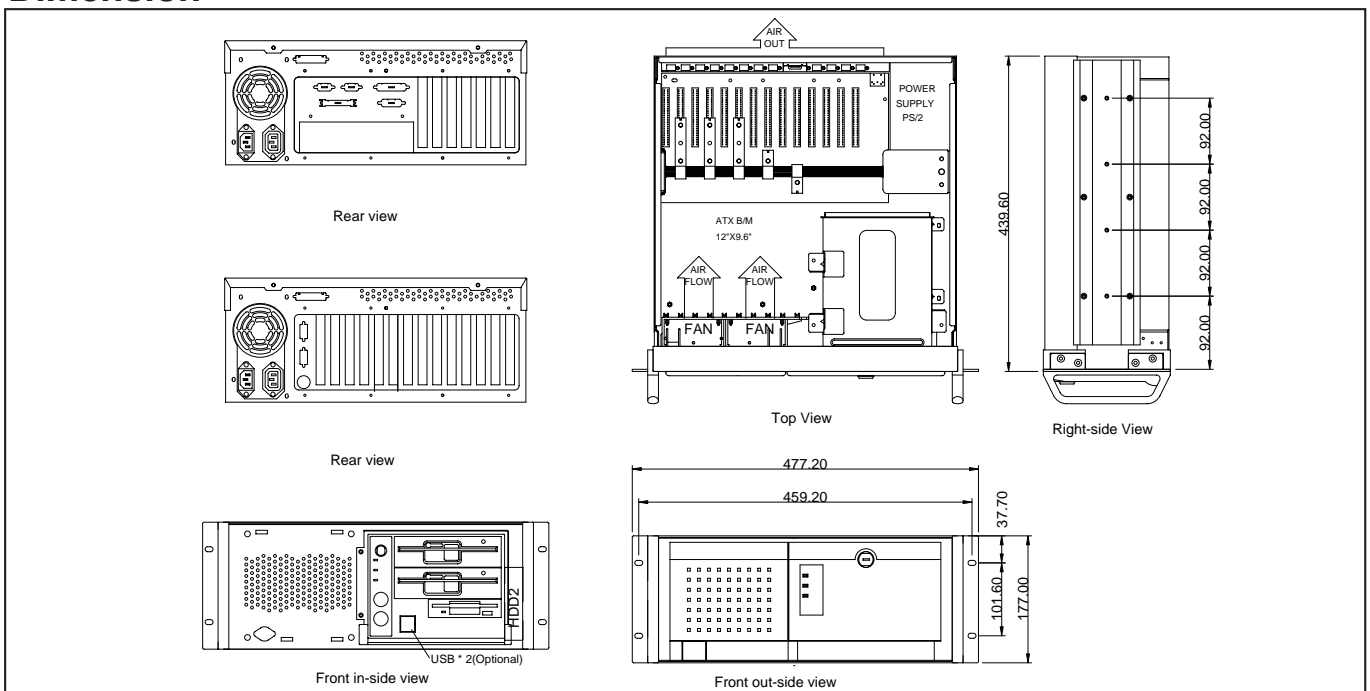
## 4U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Dual Xeon, Athlon 64, Dual Opteron
- **Support ATX M/B (Max. to 12" x 9.6") (400ATX)**
- **Support 14-slot Passive Backplane (400S)**
- **Drive Capacity:** 2x 5.25" & 1x 3.5" & 1x 3.5" HDD
- **Power Supply (Optional):** PS/2 Size Single up to 700W ATX P/S (Rear Installation) Max. Depth 200mm
- **Cooling:** 2x (80mm = 42.5CFM ea.) Fans
- **Front Door:** Drive Panel Door with Keylock
- **Air Filter:** Inside Front Panel (Washable)
- **Connector Port (Front):** 1xPS/2 for GH-400S & 2x USB (Optional) Ports
- **Expansion Slots:** 7 slot (400ATX) or 14 Slot (400S)
- **Indicators:** LED for Power ON/OFF, HDD Activity
- **Flexible Hold Down Bar Designed**
- **Switch:** Power ON/OFF Momentary (Pushbutton), System Reset
- **Dimensions (WxHxD):** 483x177x439mm (19" x 7.0" x 17.3")
- **Cuft:** 4.33
- **GW:** 16.0kgs / 35.2lbs
- **Carton Size(cm):** 69.0 x 59.0 x 33.0 (27.1" x 23.2" x 13.0")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GH-402ATXR/402SR

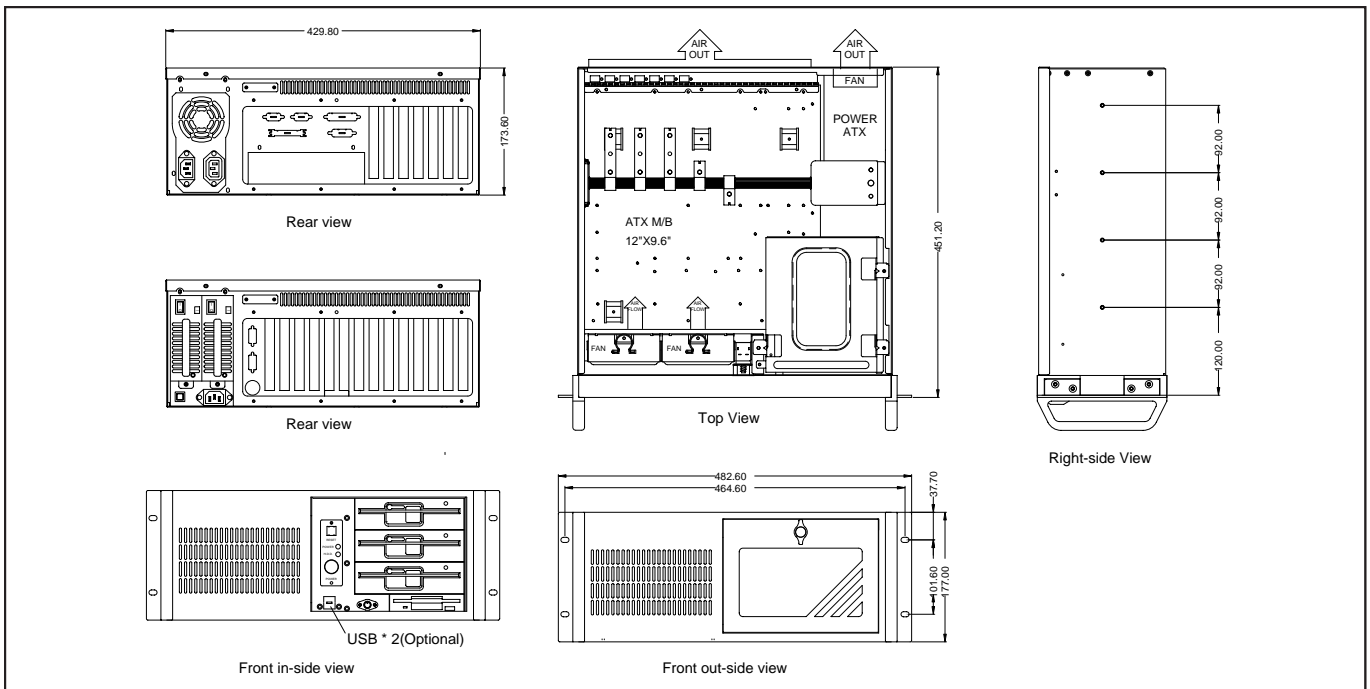
## 4U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Dual Xeon, Athlon 64, Dual Opteron
- **Support ATX M/B (Max. to 12" x 9.6") (402ATXR)**
- **Support 14/15-slot Passive Backplane (402SR)**
- **Drive Capacity:** 3x 5.25" & 1x 3.5"
- **Power Supply (Optional):** PS/2 Size Single up to 700W or Mini Redundant up to 500W ATX P/S(Rear Installation) Max. Depth 200mm
- **Cooling:** 2x (92mm = 51CFM ea.) Hot Swap Fans
- **Front Door:** Drive Panel Door With Keylock
- **Air Filter:** Inside Front Panel (Washable)
- **Connector Port (Front):** 1xPS/2 for GH-402SR & 2x USB (Optional) Ports
- **Indicators:** LEDs for Power ON/OFF, HDD Activity
- **Switch:** Power ON/OFF, Momentary(Pushbutton),System Reset
- **Flexible Hold Down Bar Designed**
- **Dimensions (WxHxD):** 483x177x451mm (19" x 7.0" x 17.8")
- **Cuft:** 4.5
- **GW:** 17.0kgs / 37.5lbs
- **Carton Size(cm):** 59.1 x 34.0 x 63.2 (23.3" x 13.4" x 24.9")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GHI-403ATXR/403SR

## 4U Rackmount Chassis

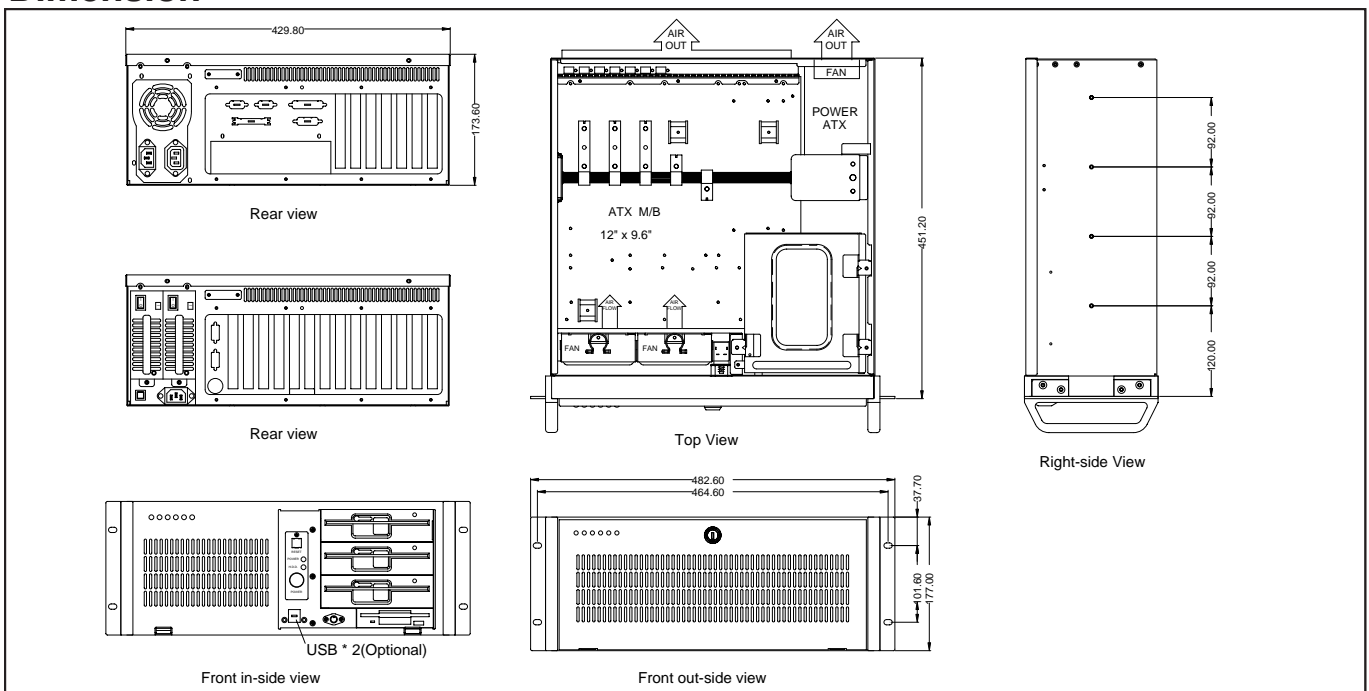
19" Rackmount



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Dual Xeon, Athlon 64, Dual Opteron
- **Support ATX M/B (Max. to 12" x 9.6") (403ATXR)**
- **Support 14/15-slot Passive Backplane (403SR)**
- **Drive Capacity:** 3x 5.25" & 1x 3.5"
- **Power Supply (Optional):** PS/2 Size Single up to 700W ATX or Mini Redundant up to 500W ATX P/S (Rear Installation) Max. Depth 200mm
- **Cooling:** 2x (92mm = 51CFM ea.) Hot Swap Fans
- **Front Door:** Single Door with 1 Thumb Twist keylock
- **Air Filter:** Inside Front Door (Washable)
- **Connector Port (Front):** 1xPS/2 for GH-403SR & 2x USB (Optional) Ports
- **Indicators:** LEDs for Power ON/OFF, HDD Activity
- **Flexible Hold Down Bar Designed**
- **Switch:** Power ON/OFF, Momentary (Pushbutton), System Reset
- **Dimensions (WxHxD):** 483x177x451mm ( 7.0" x 17.8")
- **Cuft:** 4.5
- **GW:** 17.0kgs / 37.5lbs
- **Carton Size(cm):** 59.1 x 34.0 x 63.2 (23.3" x 13.4" x 24.9")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GH-410ATXR/410SR

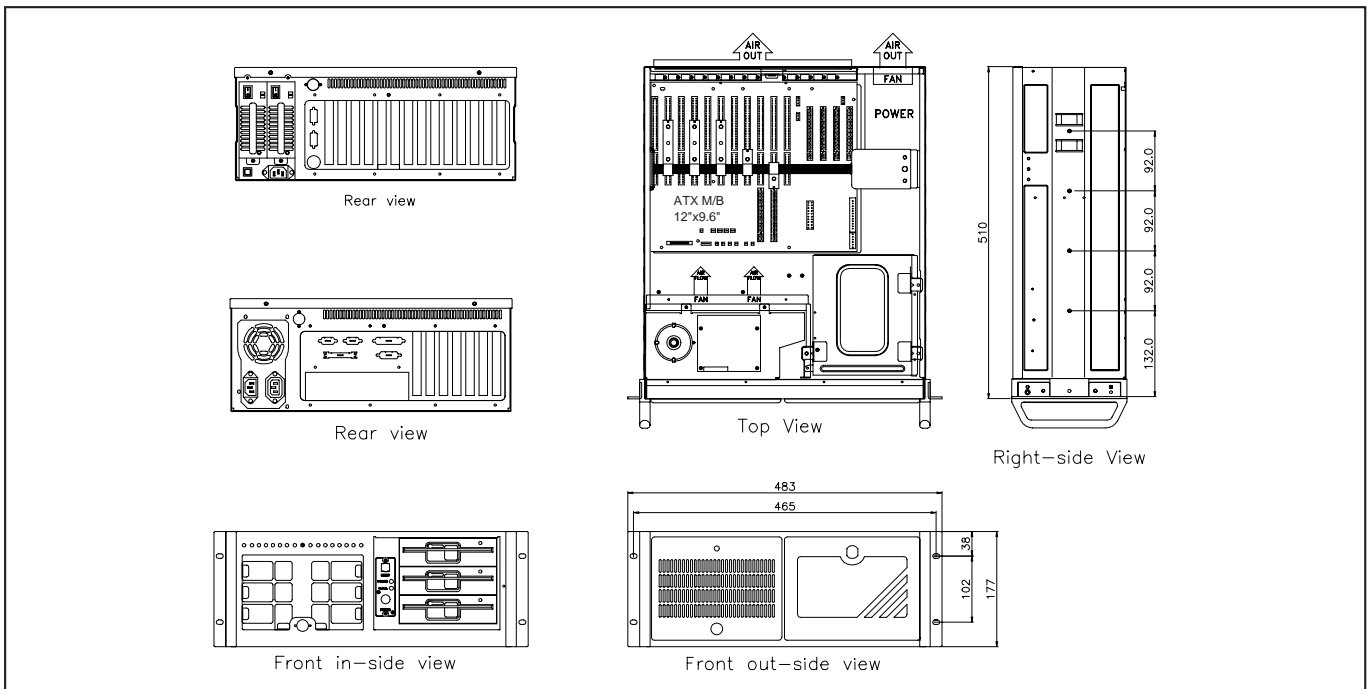
## 4U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Dual Xeon, Athlon 64, Dual Opteron
- **Support ATX M/B(Max. to 12" x 9.6")(410ATXR)**
- **Support 14/15-slot Passive Backplane (410SR)**
- **Drive Capacity:** 3x 5.25" & 1x 3.5"HDD & 1x 3.5"HDD (Optional)
- **Power Supply (Optional):** PS/2 Size Single up to 700W or Mini Redundant up to 500W ATX P/S (Rear Installation) Max. Depth 200mm
- **Front Door:** Drive Panel Door With Keylock
- **Connector Port (Front):** 1xPS/2 Port for GH-410SR
- **Air Filter:** Inside Front Panel (Washable)
- **Cooling:** 1x (120mm = 108CFM ea.) Fan, (One Optional Opening for Extra 120mm Fan)
- **Indicators:** LEDs for Power ON/OFF, HDD Activity
- **Flexible Hold Down Bar Designed**
- **Switch:** Power ON/OFF Momentary (Pushbutton), System Reset
- **Dimensions (WxHxD):** 483x177x510mm (19" x 7.0" x 20.1")
- **Cuft:** 4.9
- **GW:** 18.0kgs / 39.7lbs
- **Carton Size(cm):** 59.1 x 34.0 x 68.8 (23.3" x 13.4" x 27.1")
- **Humidity:** 5% - 95% Non-condensing

### Dimension





# GH-411ATXR/411SR

## 4U Rackmount Chassis

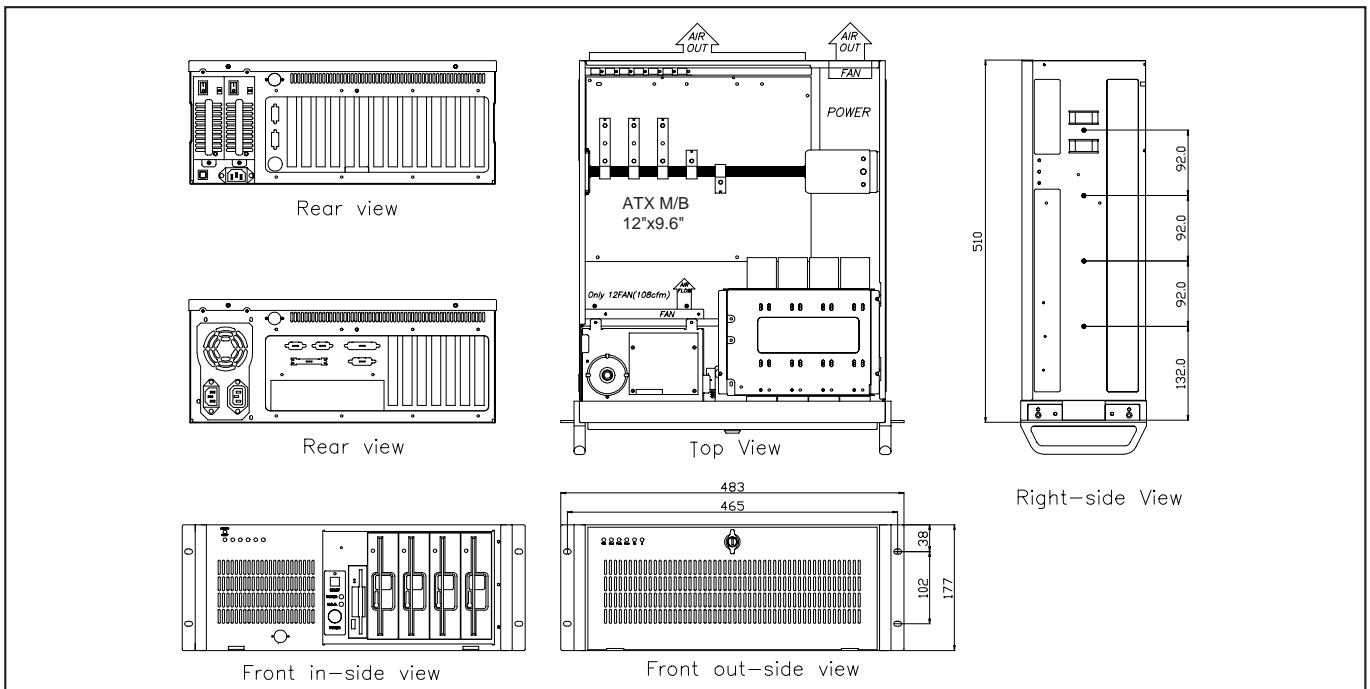


19" Rackmount

### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Dual Xeon, Athlon 64, Dual Opteron
- **Support ATX M/B (Max. to 12" x 9.6") (411ATXR)**
- **Support 14/15-slot Passive Backplane(411SR)**
- **Drive Capacity:** 4x 5.25" & 1x 3.5"(Vertical) & 1x 3.5"HDD (Optional)
- **Power Supply(Optional):** PS/2 Size Single up to 700W or Redundant up to 500W ATX P/S (Rear Installation) Max. Depth 200mm
- **Connector Port (Front):** 1xPS/2 Port for GH-411SR
- **Cooling:** 1x (120mm = 108CFM ea.) Fan
- **Front Door:** Single Door with 1 Thumb Twist Keylock
- **Air Filter:** Inside Front Door (Washable)
- **Indicators:** LEDs for Power ON/OFF, HDD Activity
- **Flexible Hold Down Bar Designed**
- **Switch:** Power ON/OFF Momentary (Pushbutton), System Reset
- **Dimensions(WxHxD):** 483x177x510mm(19" x 7.0" x 20.1")
- **Cuft:** 4.9
- **GW:** 18.0kgs / 39.7lbs
- **Carton Size(cm):** 59.1 x 34.0 x 68.8 (23.3" x 13.4" x 27.1")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GH-414ATXR/414SR

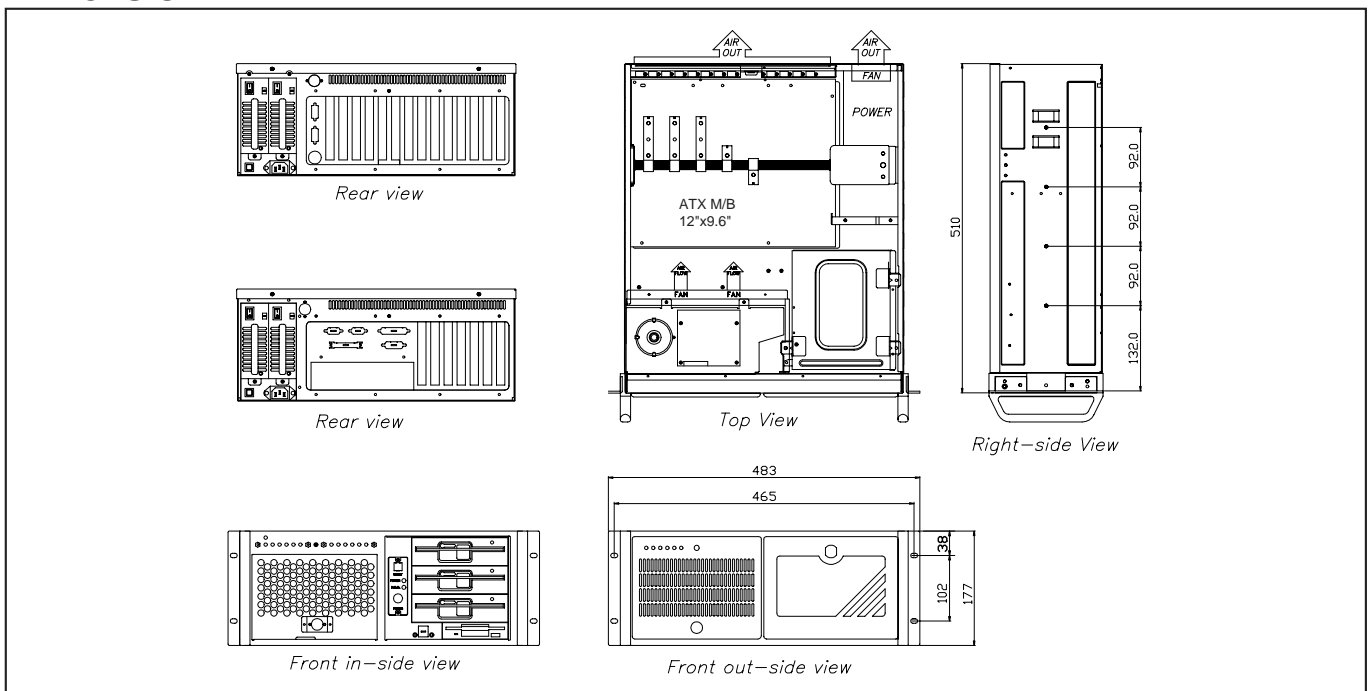
## 4U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom Design
- **System Boards:** Pentium 4, Dual Xeon, Athlon 64, Dual Opteron
- **Support ATX M/B (Max. to 12"x9.6") (414ATXR)**
- **Support 14/15-slot Passive Backplane (414SR)**
- **Drive Capacity:** 3x5.25" & 1x3.5" & 1x3.5" HDD (Optional)
- **Power Supply (Optional):** PS/2 Size Single up to 700W or Mini Redundant up to 500W ATX P/S (Rear Installation) Max. Depth 220mm
- **Cooling:** 1x (120mm = 108CFM ea.) Fan (One Optional Opening for Extra 120mm Fan)
- **Front Door:** Double Panel Door With Keylock and Thumbscrew
- **Air Filter:** Inside Front Door (Washable)
- **Connector Port (Front):** 1xPS/2 for GH-414SR & 2x USB (Optional) Ports
- **Indicators:** LEDs for Power ON/OFF, HDD Activity
- **Flexible Hold Down Bar Designed**
- **Switch:** Power ON/OFF Momentary (Pushbutton), System Reset
- **Dimensions (WxHxD):** 483x177x510mm (19"x7.0"x20.1")
- **Cuft:** 4.9
- **GW:** 18.0kgs / 39.7lbs
- **Carton Size (cm):** 59.1x34.0x68.8 (23.3"x13.4"x27.1")
- **Humidity:** 5% - 95% Non-condensing

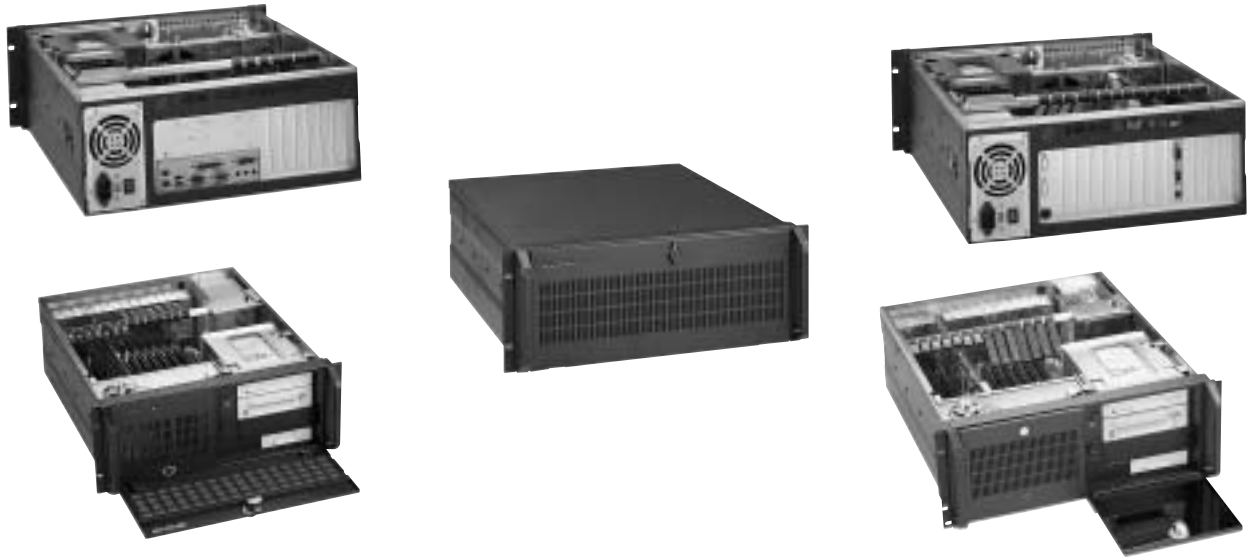
### Dimension



# GH-416ATXR/416SR

## 4U Rackmount Chassis

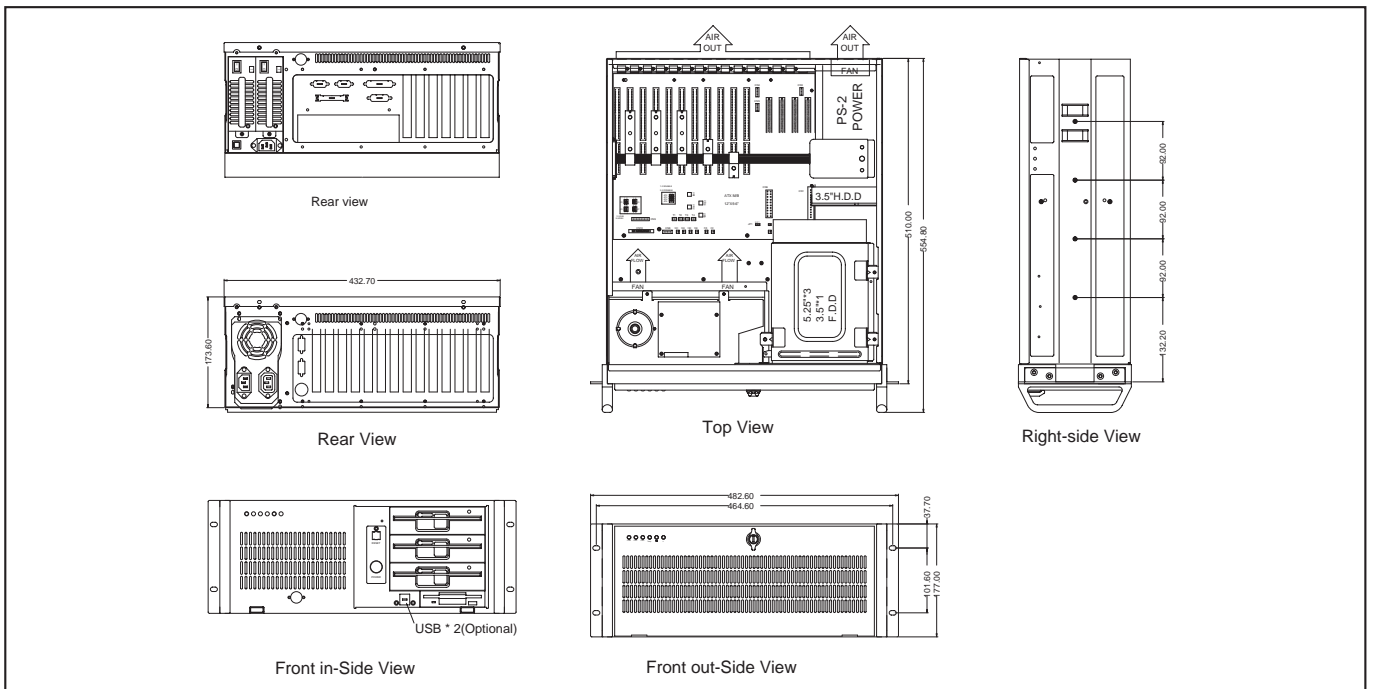
19" Rackmount



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Dual Xeon, Athlon 64, Dual Opteron
- **Support ATX M/B (Max. to 12" x 9.6") (416ATXR)**
- **Support 14/15-slot Passive Backplane (416SR)**
- **Drive Capacity:** 3x 5.25" & 1x 3.5" & 1x 3.5"HDD (Optional)
- **Power Supply (Optional):** PS/2 Size Single up to 700W or Mini Redundant up to 500W ATX P/S (Rear Installation) Max. Depth 220mm
- **Connector Port (Front):** 1xPS/2 for GH-416SR & 2x USB (Optional) Ports
- **Cooling:** 1x (120mm = 108CFM ea.) Fans, (One Optional Opening for Extra 120mm Fan)
- **Front Door:** Single Door with 1 Thumb Twist Keylock
- **Indicators:** LEDs for Power ON/OFF, HDD Activity
- **Flexible Hold Down Bar Designed**
- **Switch:** Power ON/OFF Momentary (Pushbutton), SystemReset
- **Dimensions(WxHxD):** 483x177x510mm(19" x 7.0" x 20.1")
- **Cuft:** 4.9
- **GW:** 18.0kgs / 39.7lbs
- **Carton Size(cm):** 59.1x34.0x68.8 (23.3" x 13.4" x 27.1")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GH-418ATXR/418SR

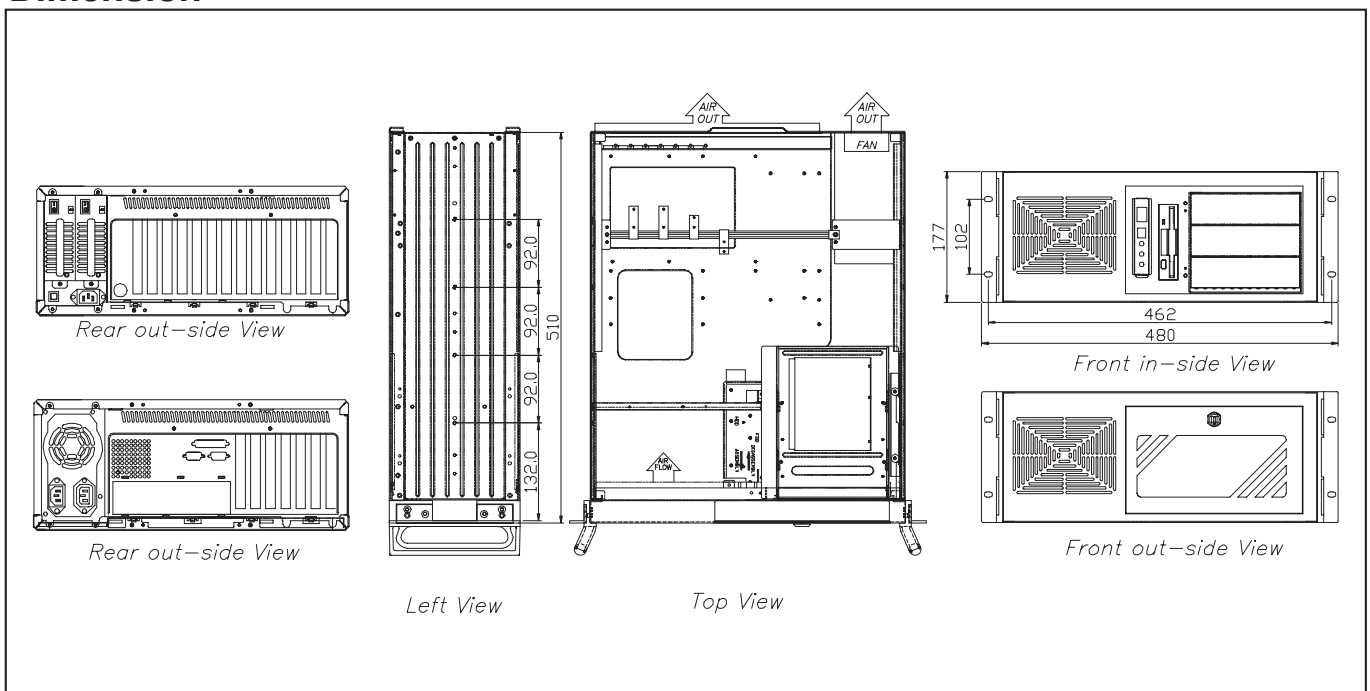
## 4U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Dual Xeon, Athlon 64, Dual Opteron
- **Support ATX M/B (Max. to 12" x 9.6") (418ATXR)**
- **Support 14/15-slot Passive Backplane (418SR)**
- **Drive Capacity:** 3x 5.25" & 1x 3.5" & 2x 3.5" HDD
- **Power Supply (Optional):** PS/2 Size Single up to 700W or Mini Redundant up to 500W ATX P/S (Rear Installation) Max. Depth 220mm
- **Cooling:** 1x (120mm = 90CFM ea.) Fan & 3x (9cm) Blower (32CFM ea.) (Optional)
- **Front Door:** Drive Panel Door With Keylock
- **Air Filter:** Inside Front Door (Washable)
- **Indicators:** LEDs for Power, HDD Activity
- **Flexible Hold Down Bar Designed**
- **Switch:** Power ON/OFFON/OFF Momentary (Pushbutton), System Reset
- **Dimensions(WxHxD):** 483x177x510mm(19" x 7.0" x 20.1")
- **Cuft:** 3.8
- **GW:** 17.0kgs / 37.5lbs
- **Carton Size(cm):** 54.0 x 30.0 x 66.0 (21.3" x 11.8" x 26.0")
- **Humidity:** 5% - 95% Non-condensing

### Dimension





# GHI-419ATXR/419SR

## 4U Rackmount Chassis

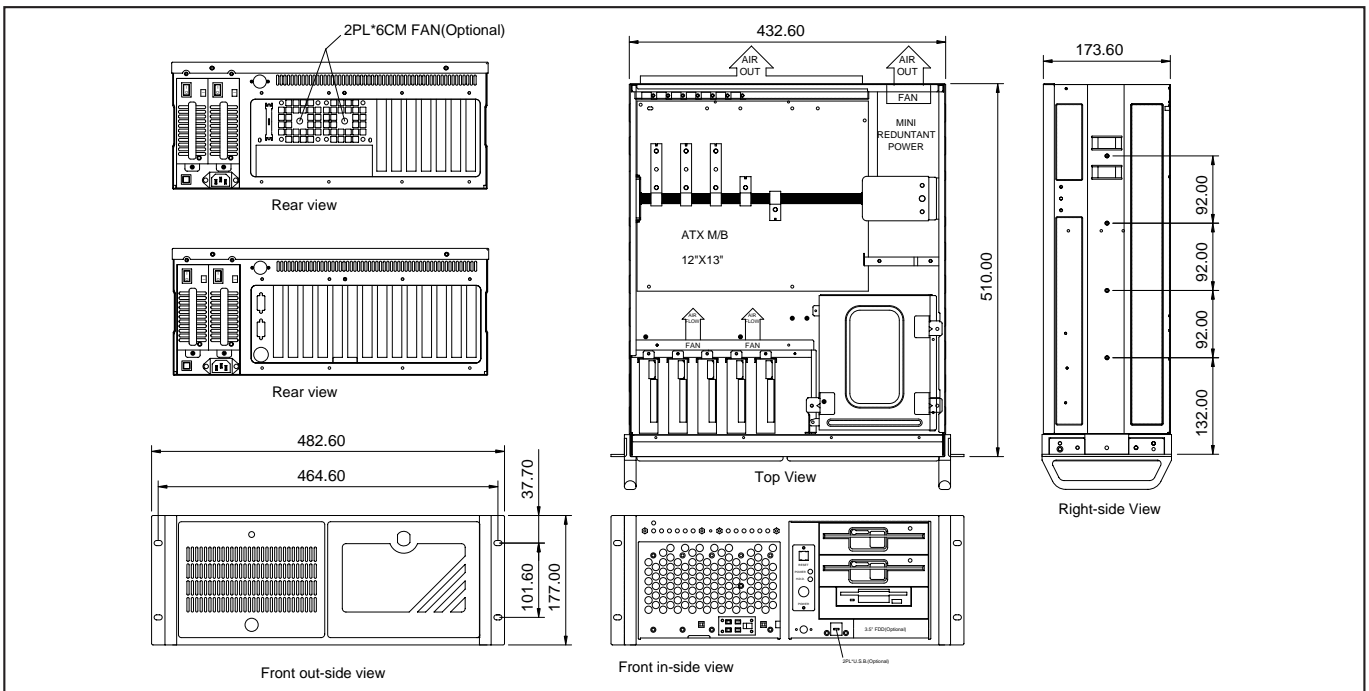


19" Rackmount

### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Dual Xeon, Athlon 64, Dual Opteron
- **Support EATX M/B (Max. to 12" x 13") SSI EEB 3.0**
- **Support 14/15-slot Passive Backplane (GHI-419SR)**
- **Drive Capacity:** 2x 5.25" & 1x 3.5" & 5x 3.5" HDD & 1x 3.5"HDD (Optional)
- **Power Supply (Optional):** PS/2 Size Single up to 700W or Redundant up to 500W ATX P/S(Rear Installation)Max. Depth 300mm
- **Cooling:** 2x(9cm) Fans(51CFM ea.) & 2x(6cm) Fans(23.5CFM ea.)(Optional)
- **Connector Port (Front):** 1xPS/2 for GH-419SR & 2x USB (Optional) Ports
- **Front Door:** Double Panel Door with Keylock and Thumbscrew
- **Air Filter:** Inside Front Door (Washable)
- **Indicators:** LEDs for Power ON/OFF, HDD Activity
- **Flexible Hold Down Bar Designed**
- **Switch:** Power ON/OFF Momentary (Pushbutton), System Reset
- **Dimensions(WxHxD):** 483x177x510mm(19" x 7.0" x 20.1")
- **Cuft:** 4.9
- **GW:** 19.0kgs / 41.8lbs
- **Carton Size(cm):** 68.8 x 34.0 x 59.1 (27.1" x 13.4" x 23.3")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GH-430ATXR/430SR

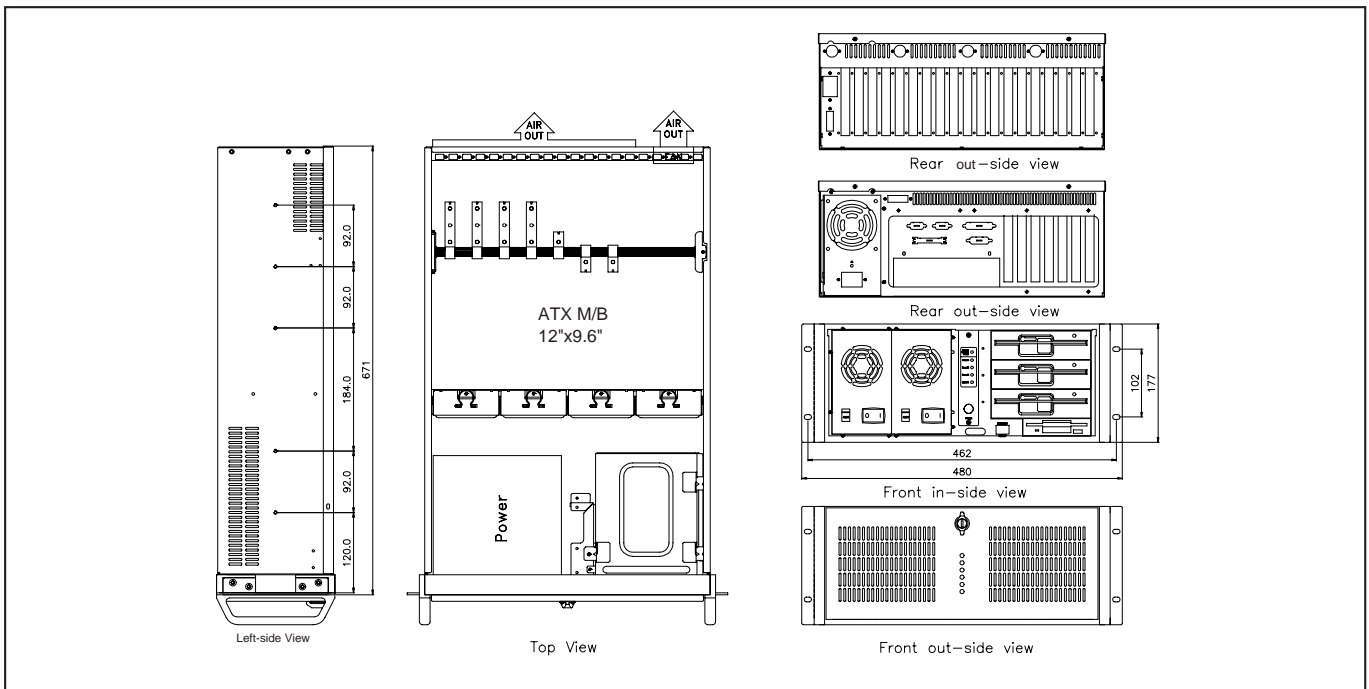
## 4U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Dual Xeon, Athlon 64, Dual Opteron
- **Support EATX M/B (Max. to 12" x 13") (430ATXR)**
- **Support 19-slot Passive Backplane (430SR)**
- **Drive Capacity:** 3x 5.25" & 1x 3.5" & 2x 3.5" HDD (Optional)
- **Power Supply (Optional):** Vertical Full Size Redundant P/S up to 460W ATX P/S (Front Installation) Max. Depth 200mm
- **Cooling:** Hot Swappable 4x (92mm = 51CFM ea.) Fans & 1x (80mm = 42.5CFM ea.) Fans (430ATXR-Optional)
- **Front Door:** Single Door with 1 Thumb Twist Keylock
- **Air Filter:** Inside Front Door (Washable)
- **Thermal Management Card:** GHA-CO03 (Optional)
- **Indicators:** LEDs for Power ON/OFF, HDD Activity
- **Flexible Hold Down Bar Designed**
- **Switch:** Power ON/OFF Momentary (Pushbutton), System Reset
- **Dimensions (WxHxD):** 483x177x671mm (19" x 7.0" x 26.4")
- **Cuft:** 6.1
- **GW:** 21.0kgs / 46.3lbs
- **Carton Size (cm):** 59.1 x 34.0 x 85.5 (23.3" x 13.4" x 33.7")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GH-431ATXR/431SR

## 4U Rackmount Chassis

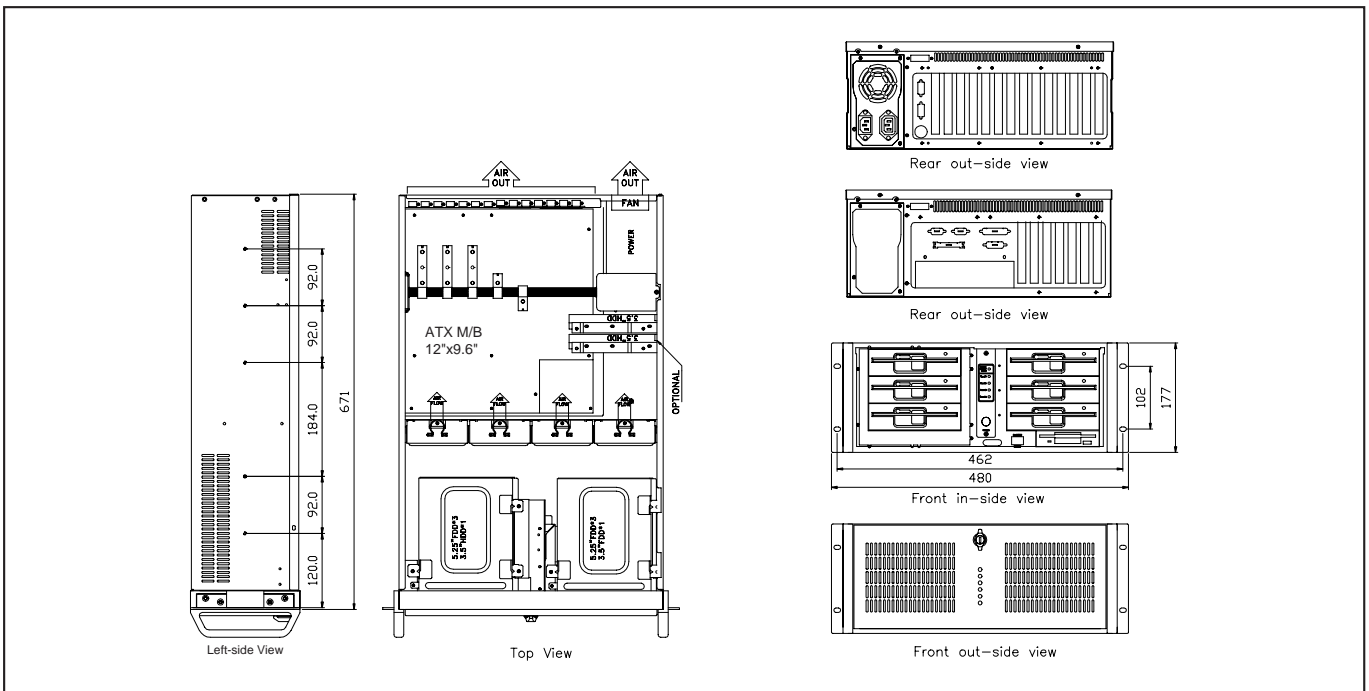


19" Rackmount

### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Dual Xeon, Athlon 64, Dual Opteron
- **Support EATX M/B (Max. to 12" x 13")(431ATXR)**
- **Support 14/15-slot Passive Backplane (431SR)**
- **Drive Capacity:** 6x 5.25" & 1x 3.5" & 1x 3.5" HDD & 2x 3.5"HDD (Optional)
- **Power Supply (Optional):** PS/2 Size Single up to 700W or Mini Redundant up to 500W ATX P/S (Rear Installation) Max. Depth 200mm
- **Cooling:** Hot Swappable 4x (92mm = 51CFM ea.) Fans
- **Front Door:** Single Door with 1 Thumb Twist Keylock
- **Air Filter:** Inside Front Door (Washable)
- **Thermal Management Card:** GHA-CO03 (Optional)
- **Indicators:** LEDs for Power ON/OFF, HDD Activity
- **Flexible Hold Down Bar Designed**
- **Switch:** Power ON/OFF Momentary (Pushbutton), System Reset
- **Dimensions(WxHxD):** 483x177x671mm(19" x 7.0" x 26.4")
- **Cuft:** 6.1
- **GW:** 21.0kgs / 46.3lbs
- **Carton Size(cm):** 59.1 x 34.0 x 85.5 (23.3" x 13.4" x 33.7")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GH-432ATXR/432SR

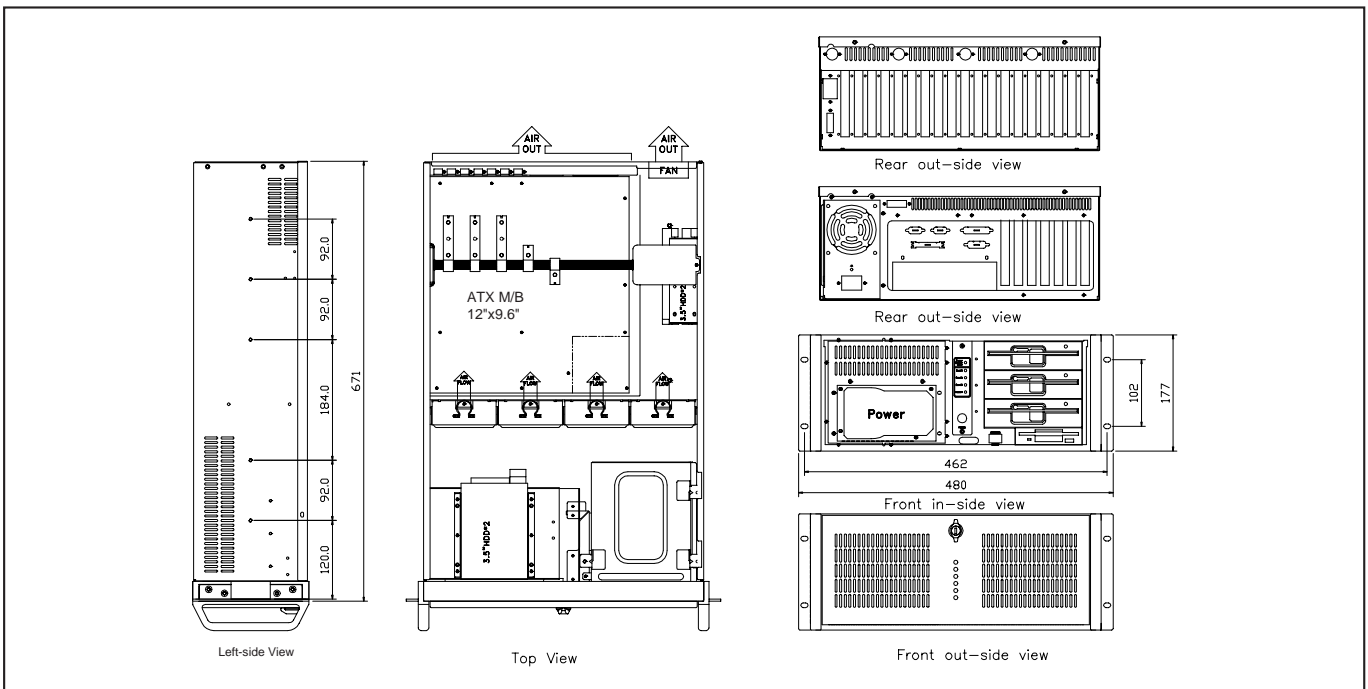
## 4U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Dual Xeon, Pentium 4, Dual Pentium III
- **Support EATX M/B(Max. to 12"x13")**(432ATXR)
- **Support 19-slot Passive Backplane**(432SR)
- **Drive Capacity:** 3x 5.25" & 1x 3.5" & 2x 3.5"HDD & 2x 3.5"HDD (Optional)
- **Power Supply(Optional):** PS/2 Size Single up to 700W or Mni Redundant up to 500W ATX P/S (Front Installation) Max. Depth 200mm
- **Cooling:** Hot Swappable 4x (92mm = 51CFM ea.) Fans & 1x (80mm = 42.5CFM ea.) Fans (432ATXR-Optional)
- **Front Door:** Single Door with 1 Thumb Twist Keylock
- **Air Filter:** Inside Front Door (Washable)
- **Thermal Management Card:** GHA-CO03 (Optional)
- **Indicators:** LEDs for Power ON/OFF, HDD Activity
- **Flexible Hold Down Bar Designed**
- **Switch:** Power ON/OFF Momentary (Pushbutton), System Reset
- **Dimensions (WxHxD):** 483x177x671mm (19" x 7.0" x 26.4")
- **Cuft:** 6.1
- **GW:** 21.0kgs / 46.3lbs
- **Carton Size(cm):** 59.1 x 34.0 x 85.5 (23.3" x 13.4" x 33.7")
- **Humidity:** 5% - 95% Non-condensing

### Dimension





# GHI-440

## 4U Rackmount Chassis

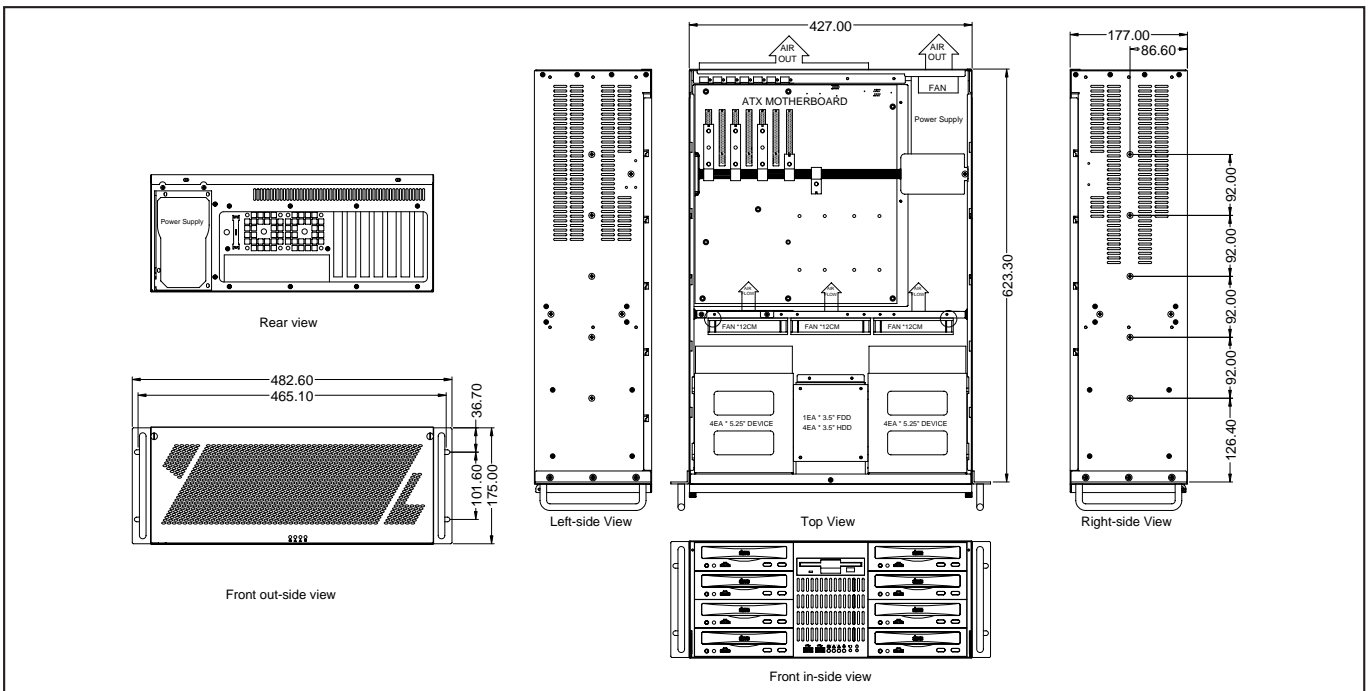


19" Rackmount

### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Dual Xeon, Athlon 64, Dual Opteron
- **Supports EATX M/B (Max. to 12" x 13") SSI EEB 3.0**
- **Drive Capacity:** 8x CD-ROM & 4x 3.5"HDD & 1x 3.5"FDD or 1x CD-ROM & 15x 3.5"HDD & 1x 3.5"FDD
- **Power Supply (Optional):** Single PS2 up to 700W or Mini Redundant up to 500W ATX P/S (Rear Installation) Max Depth 300mm
- **Cooling:** 3x (120mm = 90CFM ea.) Fans & 2x (60mm 23.5CFM ea.)(Optional) Fans
- **Front Door:** Single Door with 2 Thumbscrews and Removeable Door
- **Connector Port (Front):** 2x USB Ports
- **Indicators:** LEDs for Power ON/OFF, HDD Activity, 2x LAN
- **Flexible Hold Down Bar Designed**
- **Switch:** Power ON/OFF Momentary (Dimple), System Reset
- **Dimensions(WxHxD):** 483x177x624mm(19" x 7.0" x 24.5")
- **Cuft:** 5.7
- **GW:** 19.5 kgs / 43.0 lbs
- **Carton Size (cm):** 85.5 x 34.0 x 56.5(33.7" x 13.4" x 22.2")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GHI-441

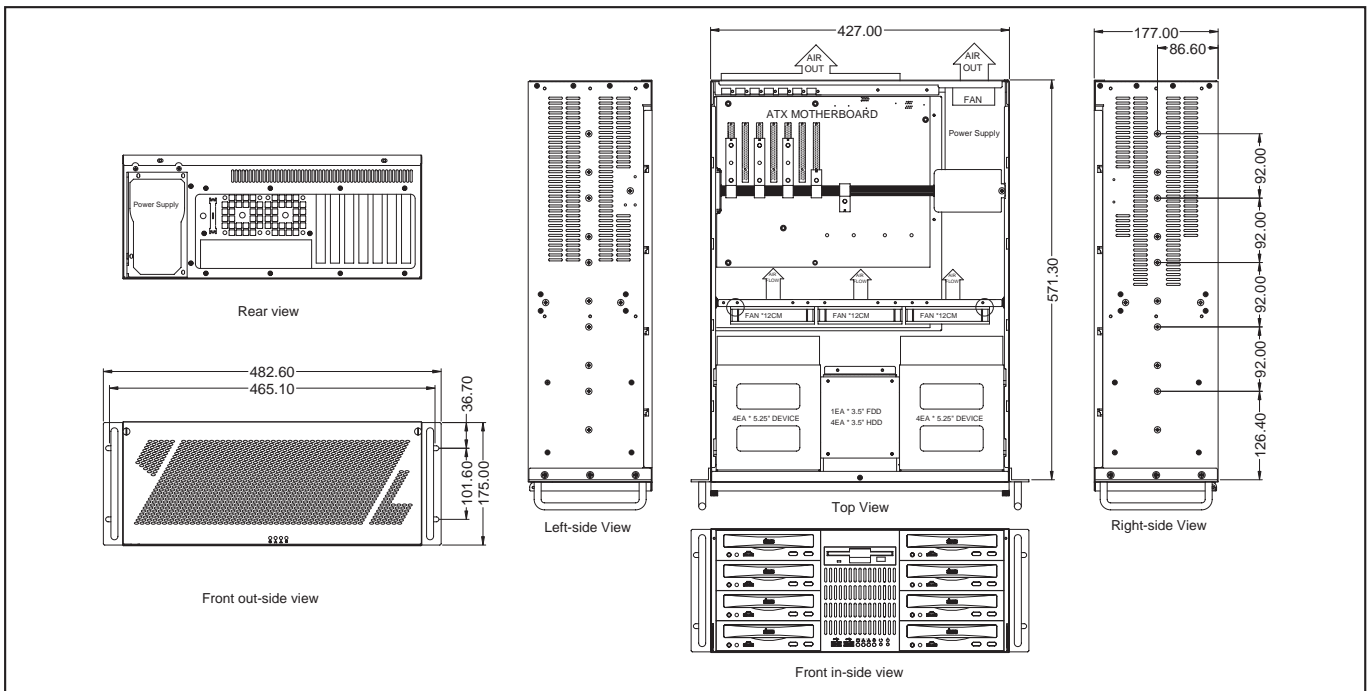
## 4U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Dual Xeon, Athlon 64, Dual Opteron
- **Supports EATX M/B (Max. to 12" x 13") SSI EEB 3.0 With Removable Drawer**
- **Drive Capacity:** 8x CD-ROM & 4x 3.5"HDD & 1x 3.5"FDD or 1x CD-ROM & 15x 3.5"HDD & 1x 3.5"FDD
- **Power Supply (Optional):** Single PS2 Size up to 700W or Mini Redundant up to 500W ATX P/S (Rear Installation) Max Depth 250mm
- **Cooling:** 3x (120mm = 90CFM ea.) Fans & 2x (60mm = 23.5CFM ea.) Fans (Optional)
- **EIA Front Door:** Single Door with 2 Thumbscrews and Removeable Door
- **EIA Connector Port (Front):** 2x USB Ports
- **EIA Indicators:** LEDs for Power ON/OFF, HDD Activity, 2x LAN
- **EIA Flexible Hold Down Bar Designed**
- **EIA Switch:** Power ON/OFF Momentary (Dimple), System Reset
- **EIA Dimensions (WxHxD):** 483x177x571mm (19"x 7.0" x22.5")
- **EIA Cuff:** 5.7
- **EIA GW:** 19.5 kgs / 43.0 lbs
- **Carton Size (cm):** 76 x 60.5 x 35 (29.9" x 23.8" x 13.8")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GHI-442

## 4U Rackmount Chassis

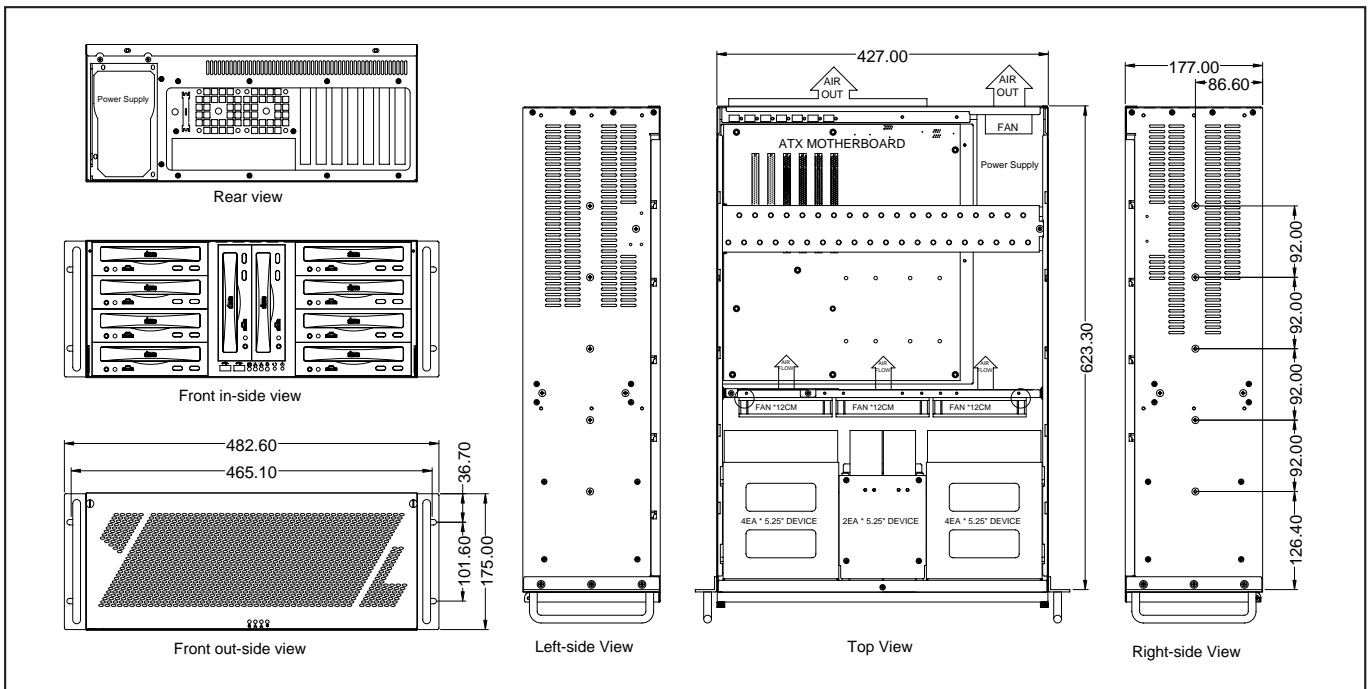


19" Rackmount

### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Dual Xeon, Athlon 64, Dual Opteron
- **Supports EATX M/B (Max. to 12" x 13") SSI EEB 3.0**
- **Drive Capacity:** 10x CD-ROM or 12x 3.5"HDD & 2x CD-ROM
- **Power Supply (Optional):** Single PS2 up to 700W or Mini Redundant up to 500W ATX P/S (Rear Installation) Max Depth 300mm
- **Cooling:** 3x (120mm = 90CFM ea.) Fans & 2x (60mm 23.5CFM ea.) Fans (Optional)
- **Front Door:** Single Door with 2 Thumbscrews and Removeable Door
- **Air Filter:** Inside Front Door (Washable)
- **Connector Port (Front):** 2x USB Ports
- **Indicators:** LEDs for Power ON/OFF, HDD Activity, 2x LAN
- **Flexible Hold Down Bar Designed**
- **Switch:** Power ON/OFF Momentary (Dimple), System Reset
- **Dimensions (WxHxD):** 483x177x624mm (19"x7.0"x24.5")
- **Cuft:** 5.7
- **GW:** 19.1 kgs / 42.1 lbs
- **Carton Size (cm):** 85.5x34.0x56.5 (33.7" x 13.4" x 22.2")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GHI-480

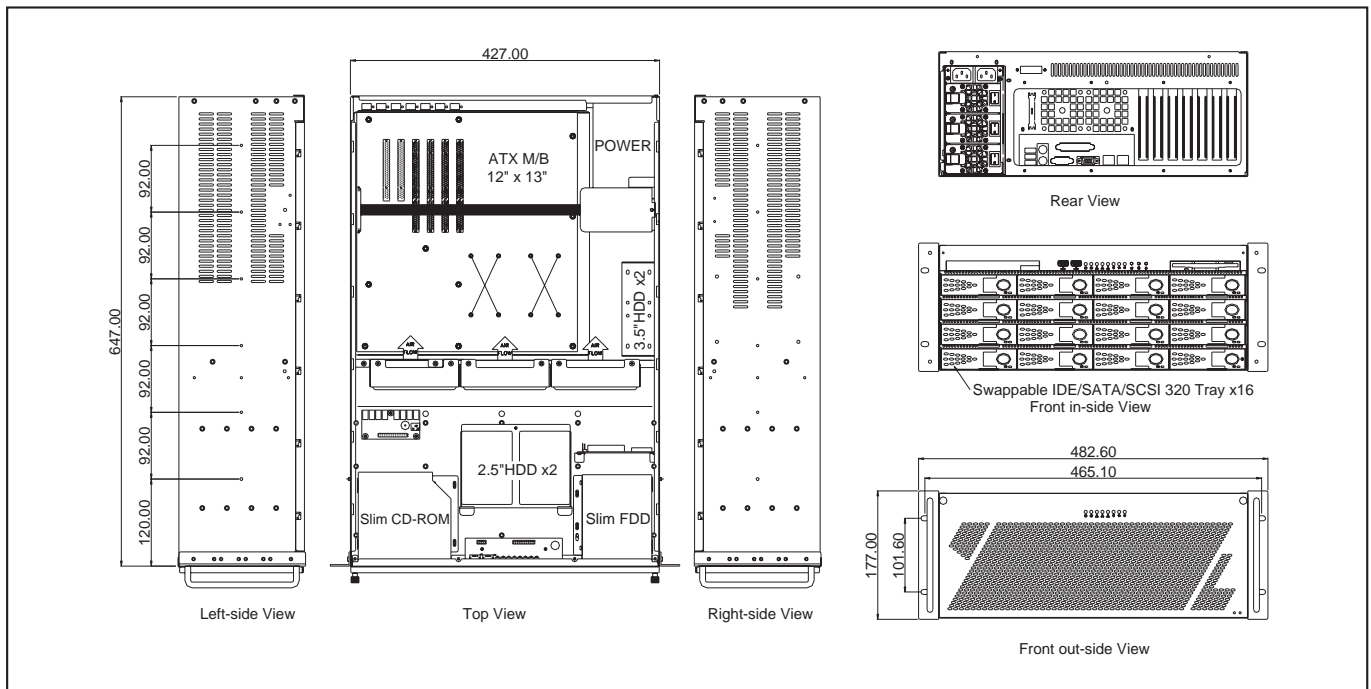
## 4U Rackmount Chassis



### Specifications

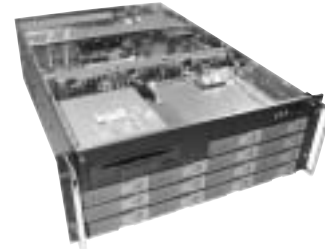
- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (standard), Beige or Custom
- **System Boards:** Pentium 4, Dual Xeon, Athlon 64, Dual Opteron
- **Support EATX M/B (Max. to 12" x 13") SSI EEB 3.0**
- **Drive Capacity:** 1xSlim CD-ROM & 1xSlim FDD & 16x3.5" Swappable IDE/SATA/SCSI 320/ Multilane SATA (Optional)Trays & 2x2.5"HDD & 2 x 3.5"HDD(Optional)
- **Power Supply (Optional):** N+1 Redundant up to 950W ATX P/S (Rear Installation)
- **Cooling:** 3x(12cm) Fans(90CFM ea.) & 2x(6cm) Fans(23.5CFM ea.) (Optional)
- **Front Door:** Single Door with 2 Thumb Screws(Removable)
- **Connector Port(Front):** 2xUSB Ports
- **Thermal Management Card:** GHA-CO04 Installed
- **Indicators:** LEDs for Power ON/OFF, HDD Activity, Fan, Temperature, LAN
- **Flexible Hold Down Bar Designed**
- **Switch:** Power ON/OFF Momentary (Dimple), System Reset, Buzzer Reset
- **Dimensions(WxHxD):** 483x177x 650mm(19"x7.0" x 25.6")
- **Cuft:** 6.1
- **GW:** 28.0kgs / 61.7lbs
- **Carton Size(cm):** 85.5 x 34.0 x 59.1(33.7" x 13.4" x 23.3")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GHI-481

## 4U Rackmount Chassis

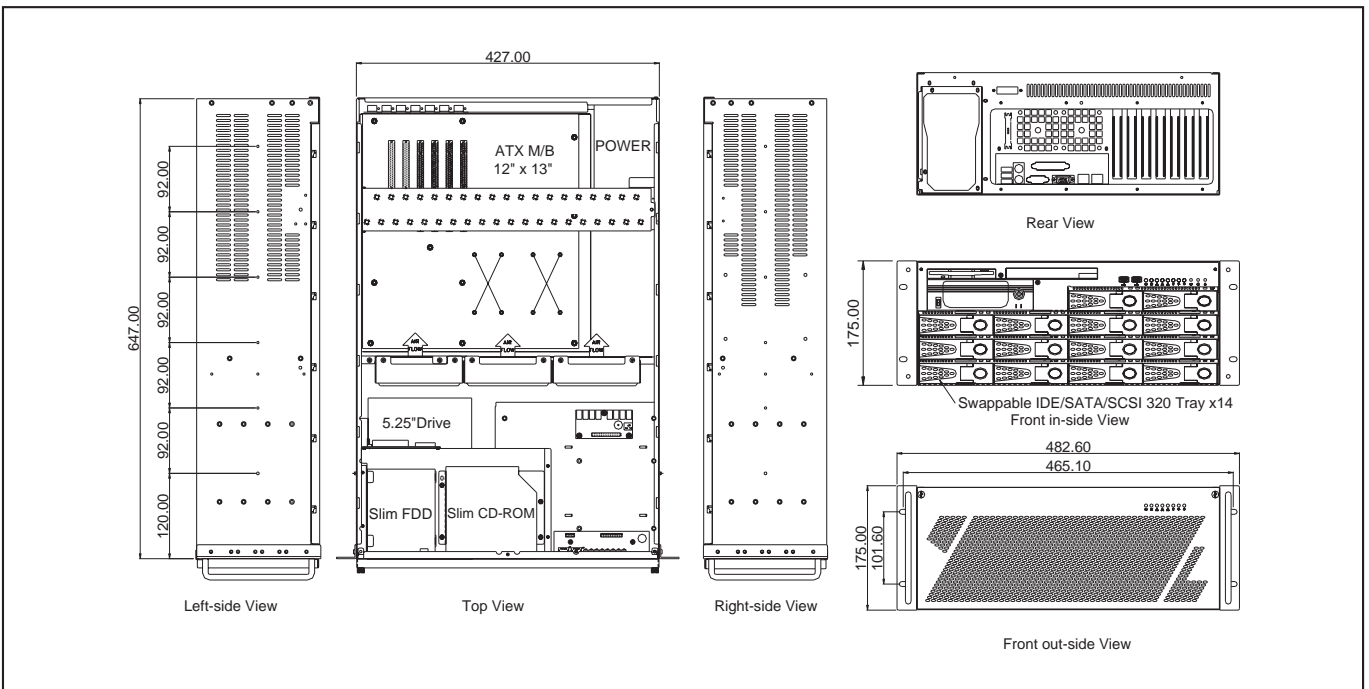


19" Rackmount

### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Dual Xeon, Athlon 64, Dual Opteron
- **Support EATX M/B (Max. to 12" x 13") SSI EEB 3.0**
- **Drive Capacity:** 1x5.25" & 1xSlim CD-ROM & 1xSlim FDD & 14x3.5"Swappable IDE/SATA/SCSI 320/ Multilane SATA(Optional)Trays & 2 x 3.5" HDD(Optional)
- **Power Supply (Optional):** N+1 Redundant up to 950W ATX P/S (Rear Installation)
- **Cooling:** 3x(12cm) Fans(90CFM ea.) & 2x(6cm) Fans(23.5CFM ea.) (Optional)
- **Front Door:** Single Door with 2 Thumb Screws(Removable)
- **Connector Port(Front):** 2xUSB Ports
- **Thermal Management Card:** GHA-CO04 Installed
- **Indicators:** LEDs for Power ON/OFF, HDD Activity, Fan, Temperature, LAN
- **Flexible Hold Down Bar Designed**
- **Switch:** Power ON/OFF Momentary (Dimple), System Reset, Buzzer Reset
- **Dimensions(WxHxD):** 483x177x650mm(19" x 7.0" x 25.6")
- **Cuft:** 6.1
- **GW:** 28.0kgs / 61.7lbs
- **Carton Size(cm):** 85.5 x 34.0 x 59.1(33.7" x 13.4" x 23.3")
- **Humidity:** 5% - 95% Non-condensing

### Dimension





# GH-520SR/530ATXR

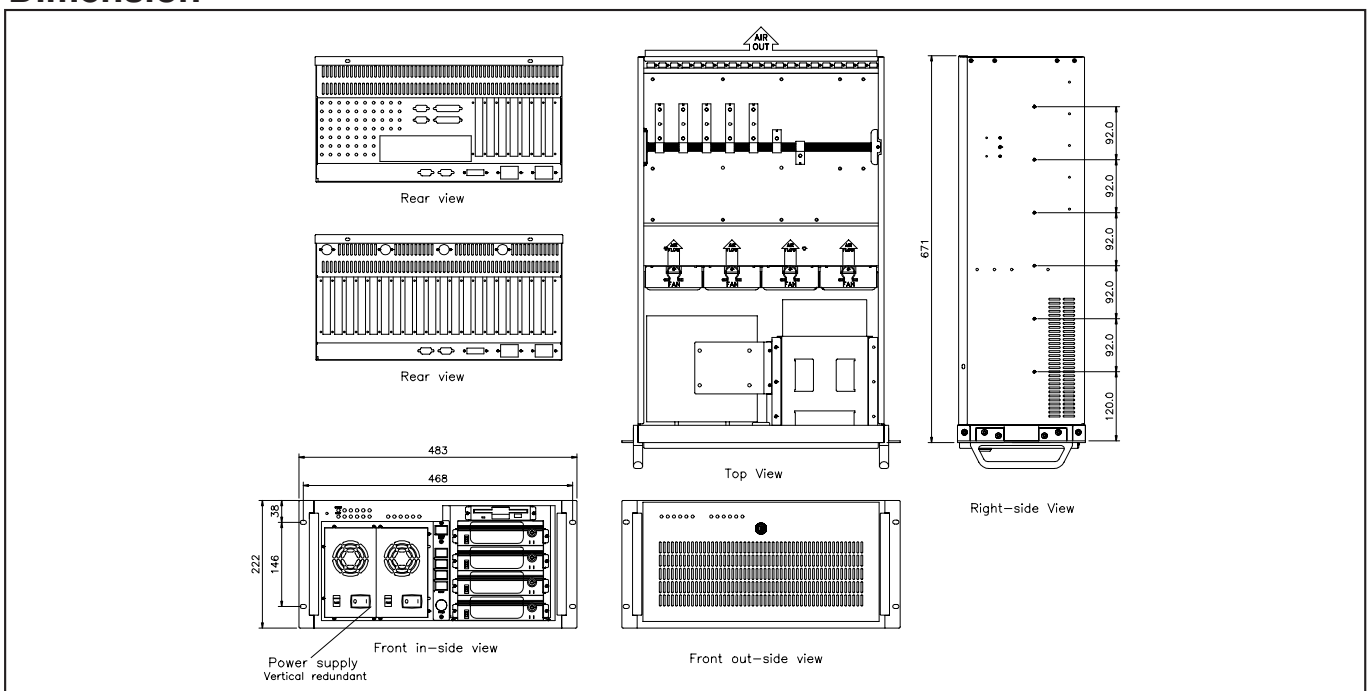
## 5U Rackmount Chassis



### Specifications

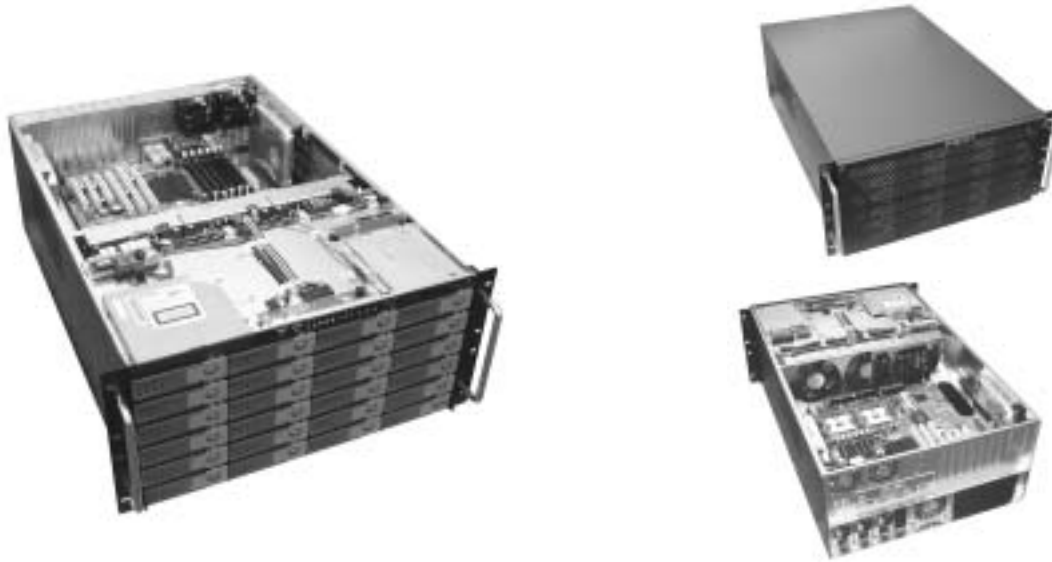
- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Dual Xeon, Athlon 64, Dual Opteron
- **Support 20-slot Passive Backplane (520SR)**
- **Support EATX M/B (Max. to 12" x 13") SSI EEB 3.0 (530ATXR)**
- **Drive Capacity:** 4x 5.25" & 1x 3.5"
- **Power Supply (Optional):** Vertical Redundant up to 400W ATX P/S or DC to DC-48V 300W P/S(Front Installation) Max. Depth 220mm
- **Cooling:** Hot Swappable 4x(9cm) Fans(51CFM ea.) or Hot Swappable 3x (120mm = 90CFM ea.) Fans (Optional)
- **Air Filter:** Inside Front Door (Washable)
- **Front Door:** Single Door with 1 Thumb Twist Keylock
- **Thermal Management Card:** GHA-CO01
- **Indicators:** LEDs for Power ON/OFF, HDD Activity, Fan, Temperature
- **Flexible Hold Down Bar Designed**
- **Switch:** Power ON/OFF Momentary or AT (Pushbutton), System Reset, Buzzer Reset
- **Dimensions (WxHxD):** 483x222x671mm (19" x 8.75" x 26.4")
- **Cuft:** 6.8
- **GW:** 26.0kgs / 57.3lbs
- **Carton Size(cm):** 61.0 x 37.0 x 85.5 (24.0" x 14.6" x 33.7")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GHI-580

## 5U Rackmount Chassis

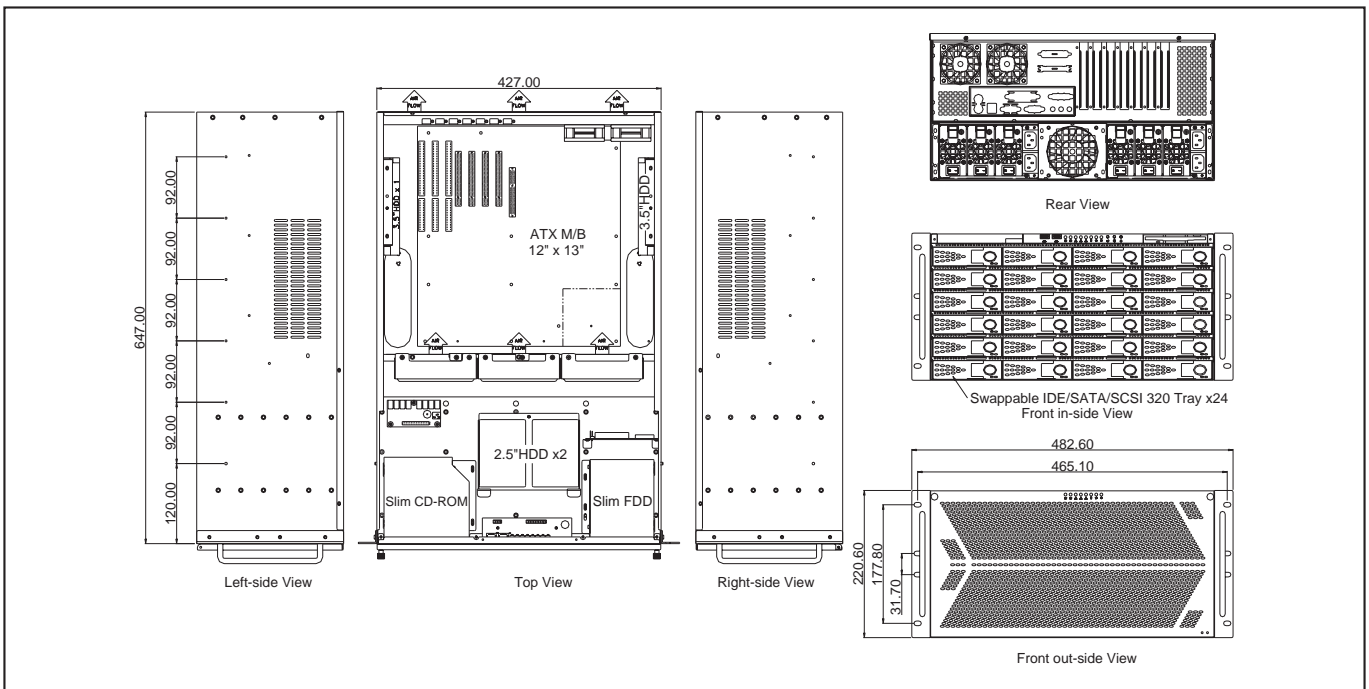


19" Rackmount

### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Dual Xeon, Athlon 64, Dual Opteron, Quad Opteron
- **Support EATX M/B (Max. to 12" x 13") SSI EEB 3.0 With Removable Drawer**
- **Drive Capacity:** 1x Slim CD-ROM & 1x Slim FDD & 24x 3.5"Swappable, 2x 2.5"HDD & 2 x 3.5"HDD(Optional)
- **Drive Interface:** PATA, SATA, SCSI320 or Multilane SATA
- **Power Supply (Optional):** 2x Redundant up to 500W ATX P/S ea. (Rear Installation) Max Depth 275mm
- **Cooling:** 3x (120mm = 90CFM ea.) Fans & 1x (80mm 42.5CFM ea.) Fan & 2x (60mm = 23.5CFM ea.) Fans
- **Front Door:** Single Door with 2 Thumbscrews(Removable)
- **Connector Port (Front):** 2x USB Ports
- **Thermal Management Card:** GHA-CO04 Installed
- **Indicators:** LEDs for Power ON/OFF, HDD Activity, Fan, Temperature, LAN
- **Flexible Hold Down Bar Designed**
- **Switch:** Power ON/OFF Momentary (Dimple), System Reset, Buzzer Reset
- **Dimensions (WxHxD):** 483x222x650mm(19"x8.7"x 25.6")
- **Cuft:** 6.8
- **GW:** 33.5kgs / 73.9lbs
- **Carton Size (cm):** 85.5 x 37.0 x 61.0(33.7" x 14.6" x 24.0")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GHI-581

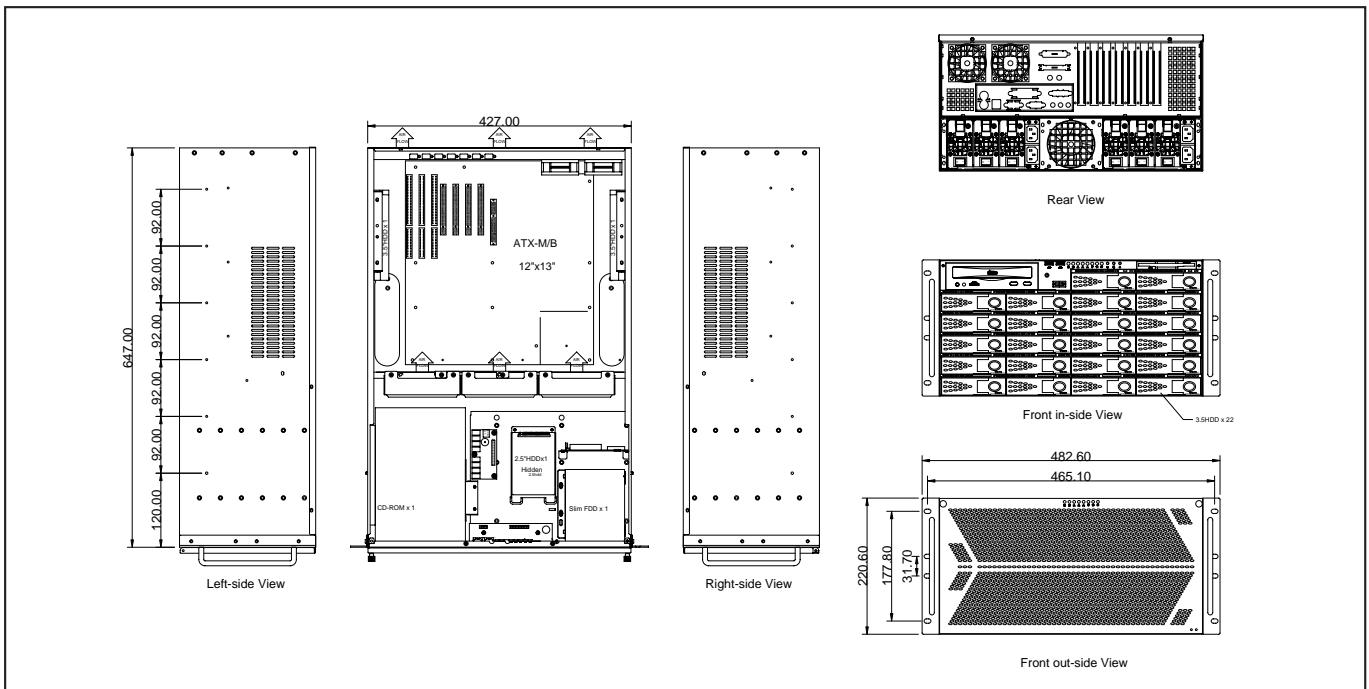
## 5U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard"**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Dual Xeon, Athlon 64, Dual Opteron
- **Supports EATX M/B (Max. to 12" x 13") SSI EEB 3.0 With Removable Drawer**
- **Drive Capacity:** 1x 5.25", 1x Slim FDD & 22x 3.5" Hot Swappable Trays & 1x 2.5"HDD & 2x 3.5"HDD (Optional)
- **Drive Interface:** PATA, SATA, SCSI320 or Multilane SATA
- **Power Supply (Optional):** 2x Redundant up to 500W ATX P/S ea. (Rear Installation) Max Depth 275mm
- **Cooling:** 3x (120mm = 90CFM ea.) Fans & 1x (80mm 42.5CFM ea.) Fan & 2x (60mm = 23.5CFM ea.) Fans
- **Front Door:** Single Door with 2 Thumbscrews (Removable)
- **Connector Port (Front):** 2x USB Ports
- **Thermal Management Card:** GHA-CO04
- **Indicators:** LEDs for Power ON/OFF, HDD Activity, Fan, Temperature, LAN
- **Flexible Hold Down Bar Designed**
- **Switch:** Power ON/OFF Momentary (Dimple), System Reset, Buzzer Reset
- **Dimensions (WxHxD):** 483x222x650mm(19"x8.7"x25.6")
- **Cuft:** 6.8
- **GW:** 33.5kgs / 73.9lbs
- **Carton Size (cm):** 85.5x37.0x61.0 (33.7" x 14.6" x 24.0")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GHI-583

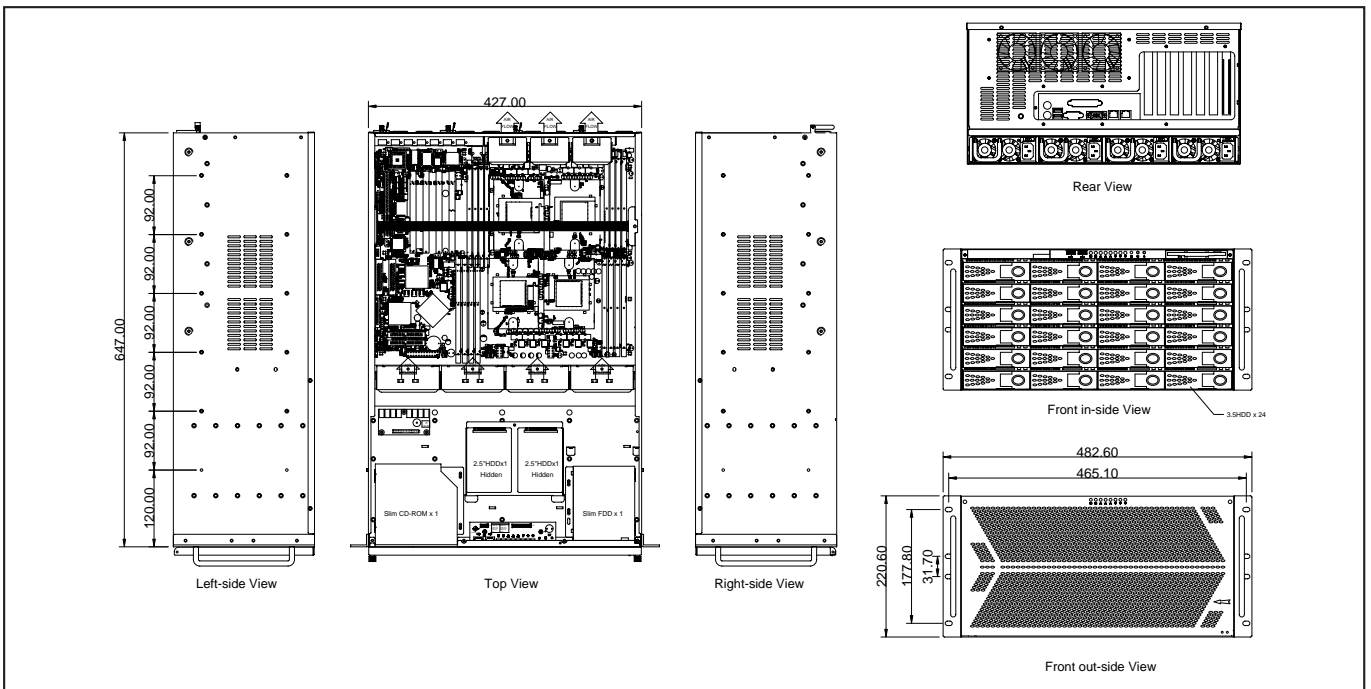
## 5U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Dual Xeon, Athlon 64, Dual Opteron, Quad Opteron
- **Supports EATX M/B (Max. to 13" x 16") With Removable Drawer**
- **Drive Capacity:** 1x Slim CD-ROM, 1x Slim FDD & 24x 3.5" Hot Swappable & 2x 2.5" HDD & 2 x 3.5" HDD (Optional)
- **Drive Interface:** PATA, SATA, SCSI320 or Multilane SATA
- **Power Supply (Optional):** 1U Redundant up to 1350W ATX P/S (Rear Installation) Max Depth 300mm
- **Cooling:** 4x (92mm = 51CFM ea.) Fans & 3x (60mm 23.5CFM ea.) Fans
- **Front Door:** Single Door with 2 Thumbscrews(Removable)
- **Connector Port (Front):** 2x USB Ports
- **Thermal Management Card:** GHA-CO04
- **Indicators:** LEDs for Power ON/OFF, HDD Activity, Fan, Temperature, LAN
- **Flexible Hold Down Bar Designed**
- **Switch:** Power ON/OFF Momentary (Dimple), System Reset, Buzzer Reset
- **Dimensions(WxHxD):** 483x222x650mm(19" x 8.7" x 25.6")
- **Cuft:** 6.8
- **GW:** 33.5kgs / 73.9lbs
- **Carton Size (cm):** 85.5 x 37.0 x 61.0 (33.7"x14.6"x 24.0")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GH-600ATXR/620SR

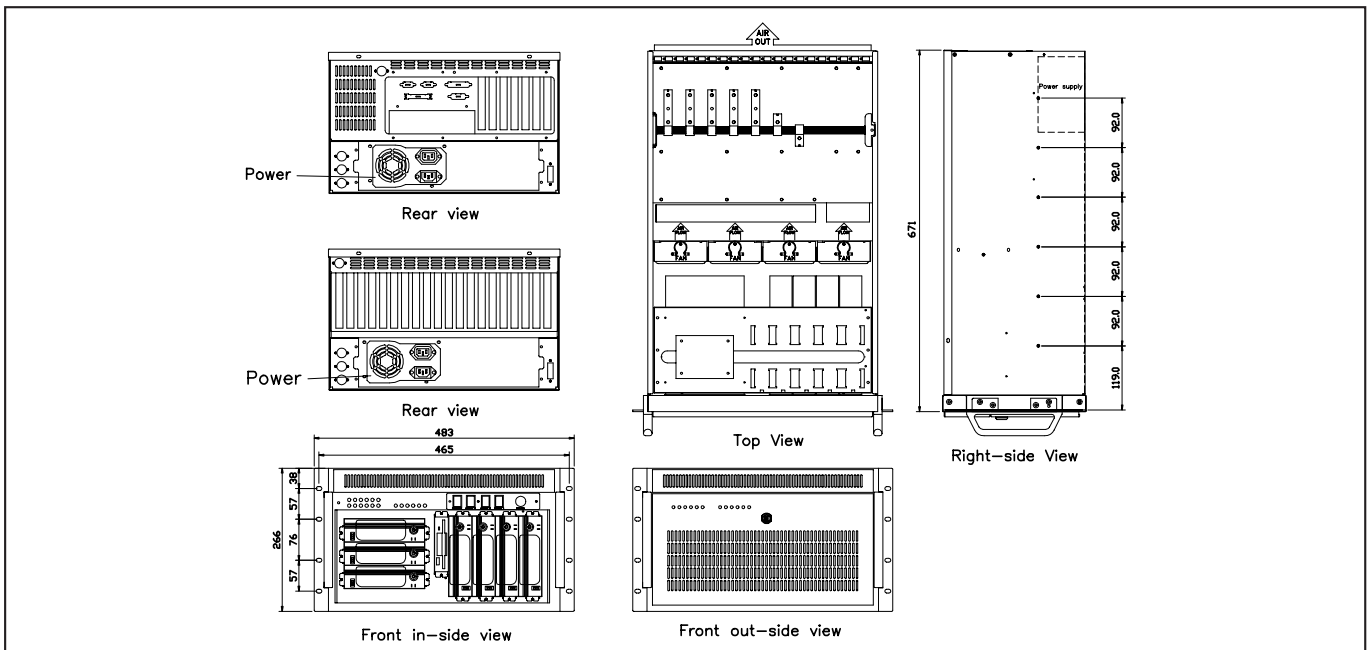
## 6U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Dual Xeon, Pentium 4, Dual Pentium III
- **Support EATX M/B (Max. to 12" x 13") SSI EEB 3.0 With Removable Drawer (600ATXR)**
- **Support 20-slot Passive Backplane With Removable Drawer (620SR)**
- **Drive Capacity:** 7x 5.25" & 1x 3.5"
- **Power Supply (Optional):** PS/2 Size Single up to 700W or Horizontal Redundant up to 400W ATX P/S(Rear Installation)
- **Cooling:** Hot Swappable 4x (90mm = 51CFM ea.) Fans
- **Front Door:** Single Door with Keylock
- **Air Filter:** Inside Front Door (Washable)
- **Thermal Management Card:** GHA-CO01
- **Indicators:** LEDs for Power ON/OFF, HDD Activity, Fan, Temperature
- **Flexible Hold Down Bar Designed**
- **Switch:** Power ON/OFF Momentary or AT (Pushbutton), System Reset, Buzzer Reset
- **Dimensions(WxHxD):** 483x267x671mm(19"x10.5" x 26.4")
- **Cuft:** 7.7
- **GW:** 29.0kgs / 64.0lbs
- **Carton Size(cm):** 61.0 x 41.8 x 85.5 (24.0" x 16.5" x 33.7")
- **Humidity:** 5% - 95% Non-condensing

### Dimension





# GHI-611

## 6U Rackmount Chassis

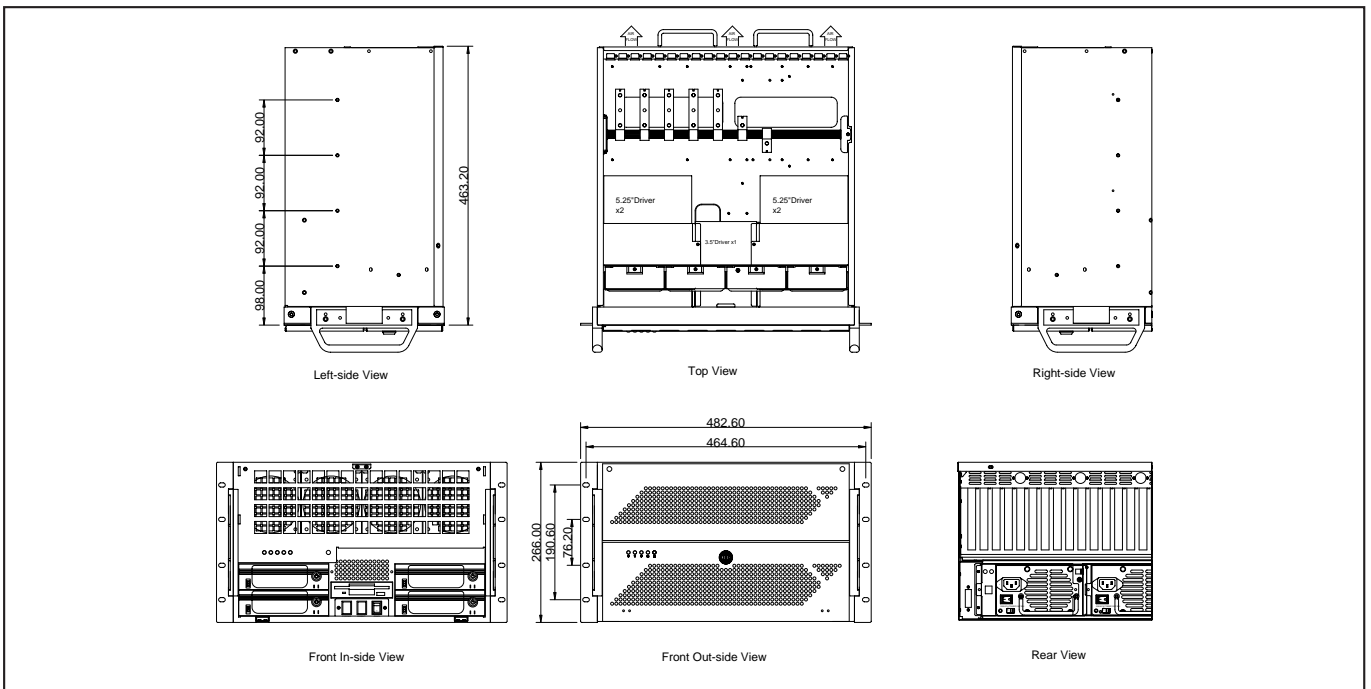


19" Rackmount

### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **Support 20-slot Passive Backplane with Removable Drawer**
- **Drive Capacity:** 4x 5.25" & 2x 3.5" HDD
- **Power Supply (Optional):** PS/2 Size Single up to 500W P/S or Horizontal Redundant up to 550W ATX P/S (Rear Installation)
- **Cooling:** Hot Swappable 4x (90mm = 51CFM ea.) Fans
- **Front Door:** Single Door with 1 Thumb Twist Keylock
- **Air Filter:** Inside Front Door (Washable)
- **Thermal Management Card:** GHA-CO03
- **Indicators:** LEDs for Power ON/OFF, HDD Activity, Fan, Temperature
- **Flexible Hold Down Bar Designed**
- **Switch:** Power ON/OFF Momentary or AT (Pushbutton), System Reset, Buzzer Reset
- **Dimensions(WxHxD):** 483x267x463mm (19"x10.5"x18.2")
- **Cuft:** 5.8
- **GW:** 25.3kgs / 55.8lbs
- **Carton Size (cm):** 61.0x 41.8 x 64.7 (24.0" x 16.5" x 25.5")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GHI-690

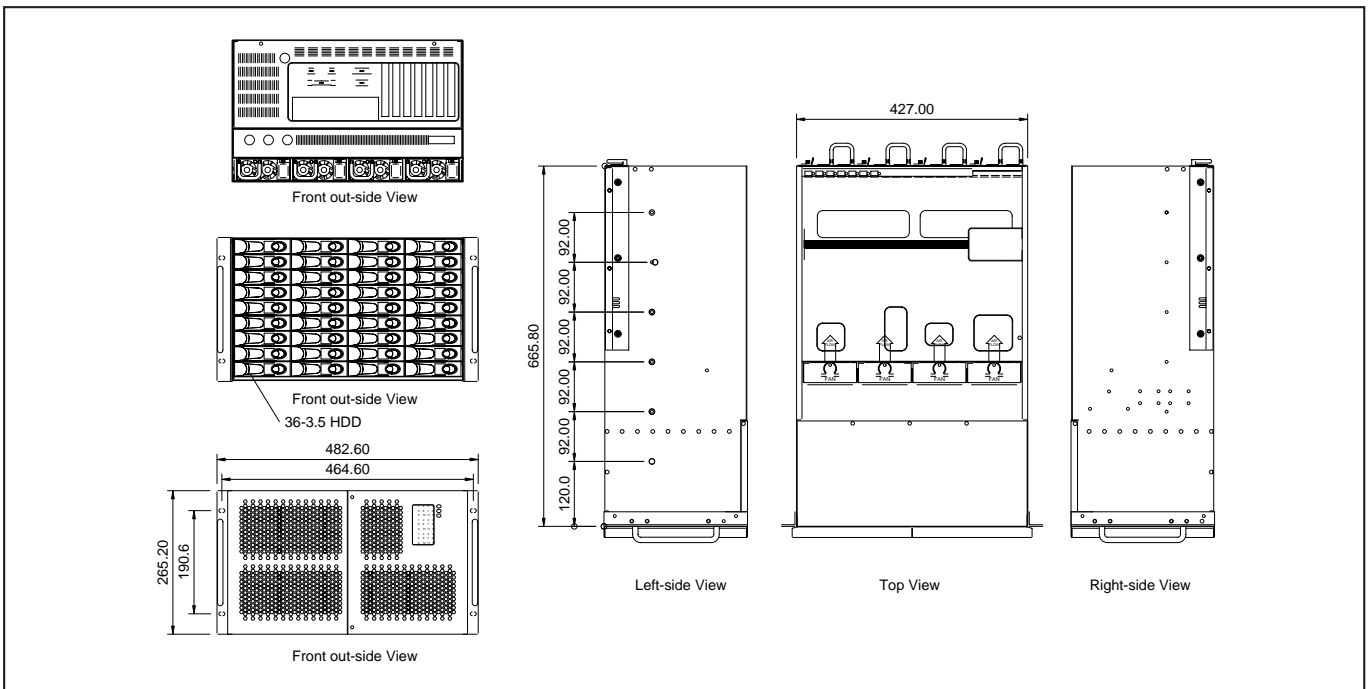
## 6U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Dual Xeon, Athlon 64, Dual Opteron, Quad Opteron
- **Supports EATX M/B (Max. to 13" x 16") With Removable Drawer**
- **Drive Capacity:** 36 x 3.5" Swapple HDD
- **Drive Interface:** SATA, SCSI320 or Multilane SATA
- **Power Supply (Optional):** 1U Redundant up to 1350W ATX P/S (Rear Installation) Max Depth 300mm
- **Cooling:** 4x (92mm = 51CFM ea.) Fans
- **Front Door:** Double Horizontal Doors with 2 Thumbscrews
- **Thermal Management Card:** GHA-CO08
- **Indicators:** LEDs for Power ON/OFF, HDD Activity, Fan, Temperature, LAN
- **Flexible Hold Down Bar Designed**
- **Switch:** Power ON/OFF Momentary (Dimple), System Reset, Buzzer Reset
- **Dimensions(WxHxD):** 483x265x666mm(19"x10.4"x26.2")
- **Cuft:** 7.7
- **GW:** 29.5kgs / 65.3lbs
- **Carton Size (cm):** 61.0x41.8x85.5 (24.0" x 16.5" x 33.7")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GHI-691

## 6U Rackmount Chassis

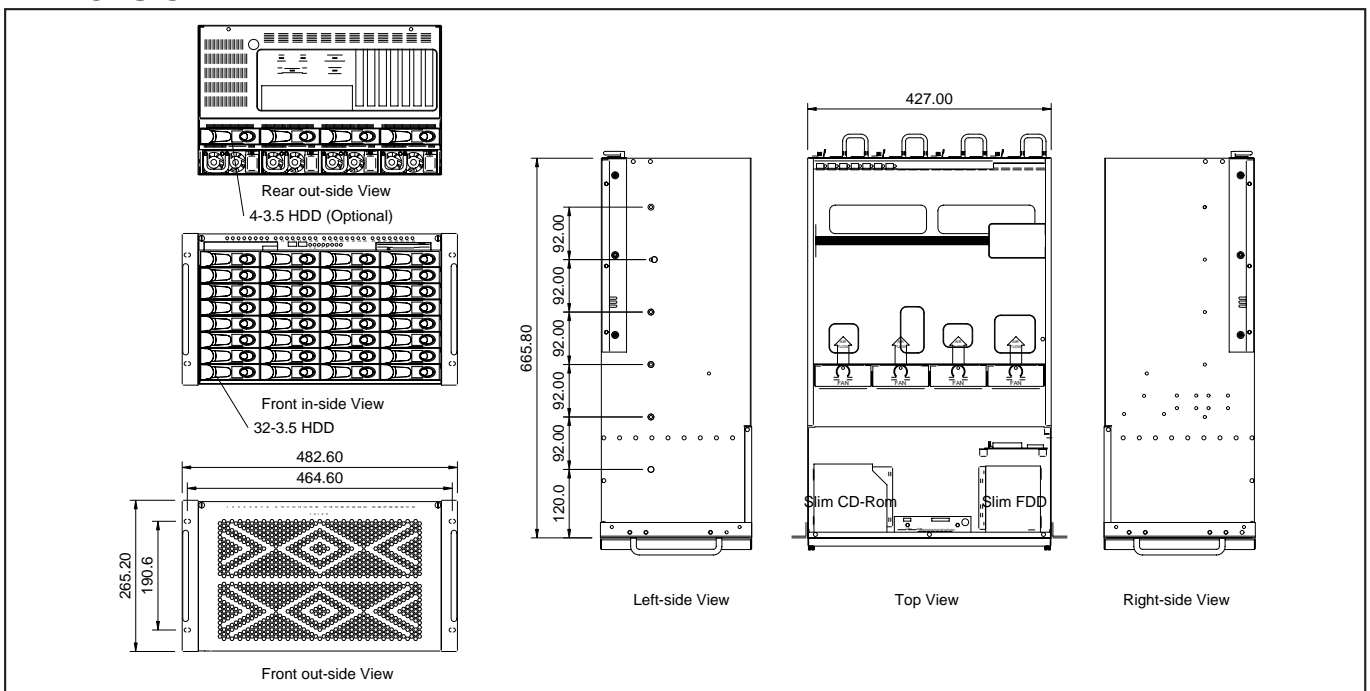


19" Rackmount

### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Pentium 4, Dual Xeon, Athlon 64, Dual Opteron, Quad Opteron
- **Supports EATX M/B (Max. to 13" x 16") With Removable Drawer**
- **Drive Capacity:** 1x Slim CD-ROM, 1x Slim FDD & 32 x 3.5" Swappable HDD & 4x3.5" Hot Swappable HDD on Rear Side (Optional)
- **Drive Interface:** SATA, SCSI320 or Multilane SATA
- **Power Supply (Optional):** 1U Redundant up to 1350W ATX P/S (Rear Installation) Max Depth 300mm
- **Cooling:** 4x (92mm = 51CFM ea.) Fans
- **Front Door:** Single Door with 2 Thumbscrews
- **Connector Port (Front):** 2x USB Ports
- **Thermal Management Card:** GHA-CO04
- **Indicators:** LEDs for Power ON/OFF, HDD Activity, Fan, Temperature, LAN
- **Flexible Hold Down Bar Designed**
- **Switch:** Power ON/OFF Momentary (Dimple), System Reset, Buzzer Reset
- **Dimensions(WxHxD):** 483x265x666mm(19"x10.4"x 26.2")
- **Cuft:** 7.7
- **GW:** 31.5kgs / 69.5lbs
- **Carton Size (cm):** 61.0x41.8x85.5 (24.0" x 16.5" x 33.7")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GH-800ATXR/820SR

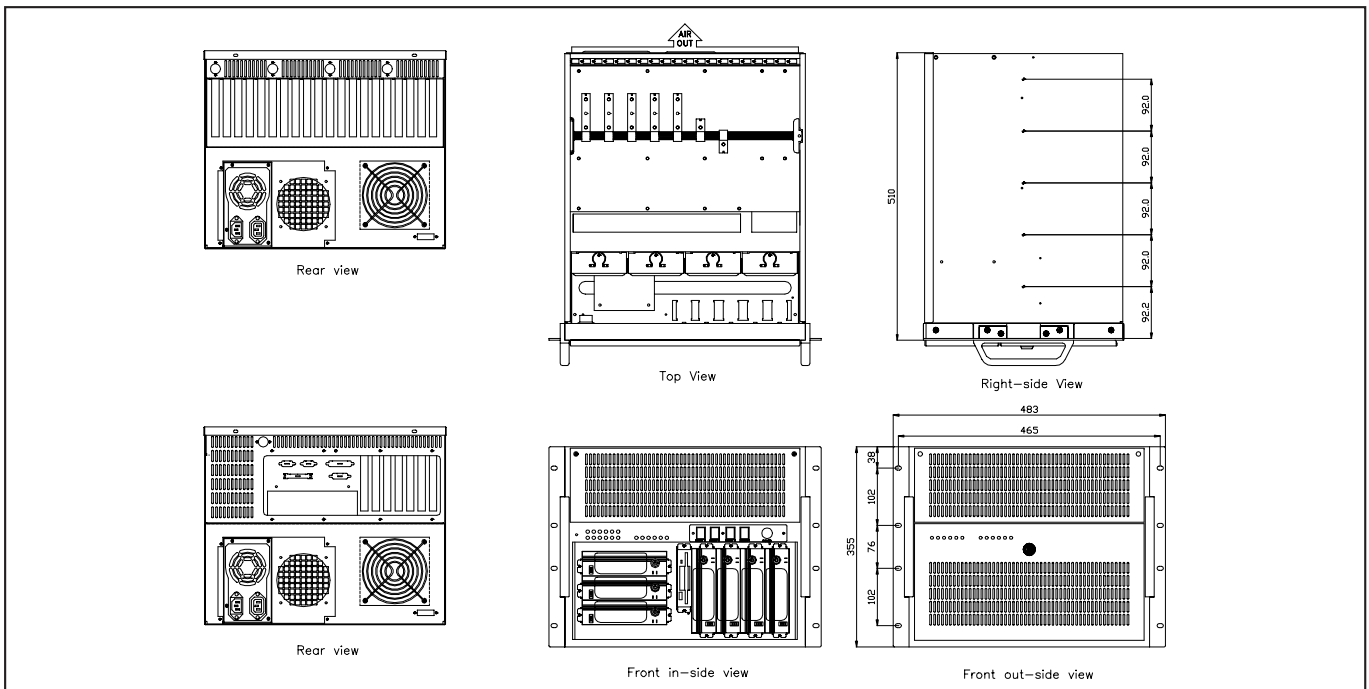
## 8U Rackmount Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Dual Xeon, Pentium 4, AMD 64, Dual Opteron
- **Support EATX M/B (Max. to 12" x 13") SSI EEB 3.0 With Removable Drawer (800ATXR)**
- **Support 20-slot Passive Backplane With Removable Drawer (820SR)**
- **Drive Capacity:** 7x 5.25" & 1x 3.5"
- **Power Supply (Optional):** PS/2 Size Single up to 400W or Horizontal Redundant up to 400W ATX P/S (Rear Installation)
- **Cooling:** Hot Swappable 4x(9cm) Fans(51CFM ea.) & 1x(12cm) Fan (108CFM) with Removable Air Filter
- **Front Door:** Single Door with Keylock
- **Air Filter:** Inside Front Door (Washable)
- **Thermal Management Card:** GHA-CO01
- **Indicators:** LEDs for Power ON/OFF, HDD Activity, Fan, Temperature
- **Flexible Hold Down Bar Designed**
- **Switch:** Power ON/OFF Momentary (Pushbutton), System Reset, Buzzer Reset
- **Dimensions(WxHxD):** 483x356x510mm(19"x16.5"x18.2")
- **Cuft:** 7.4
- **GW:** 30.5kgs / 67.3lbs
- **Carton Size(cm):** 60.5x50.5x68.5(23.8"x19.9"x27.0")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GHI-P01

## 8U Rackmount Chassis

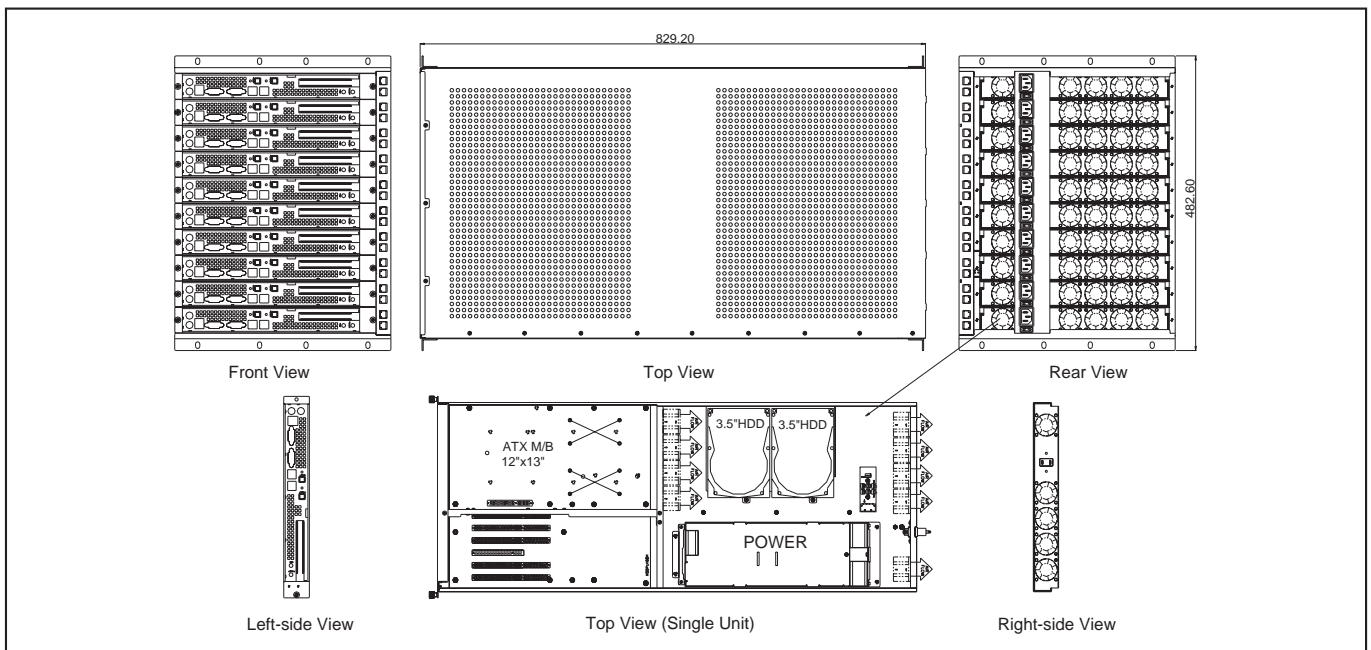


19" Rackmount

### Specifications

- **Meet 19" 8U Height Rack-mount Enclosure with 10 x 1U Nodes**
- **Constructions:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **System Boards:** Dual Xeon, Dual Opteron, Dual Athlon, Pentium 4 800FSB, Dual Pentium III
- **Support ATX M/B (Max. to 12" x 13") With Removable Drawer**
- **Drive Capacity:** 2x3.5"HDD Per Node.(Total 10 nodes = 20xHDD )
- **Power Supply (Optional):** 1U Single up to 600W ATX P/S Per Node (Mid Installation) Max. Depth 300mm
- **Cooling:** 8x (40x28mm = 15.3CFM ea.) Fans & 1x (40x20mm = 8CFM ea.) Fan
- **Expansion Slots:** 1x Horizontal PCI Slot Per Node.
- **Additional Expansion:** 10 x RJ45 Patch Panel or 20 x RJ45 Patch Panel(Optional)
- **Indicators:** LEDs for Power ON/OFF Momentary (Square Pushbutton), HDD Activity
- **Switch:** Power ON/OFF, System Reset
- **Dimensions(WxHxD):** 483x355x830mm(19"x14.0" x 32.7")
- **Cuft:** 14
- **GW:** 71.3kgs / 157.2lb
- **Carton Size(cm):** 105.5x70.5x53.6(41.5"x27.6" x 21.1")
- **Humidity:** 5% - 95% Non-condensing

### Dimension





# GHB-B04

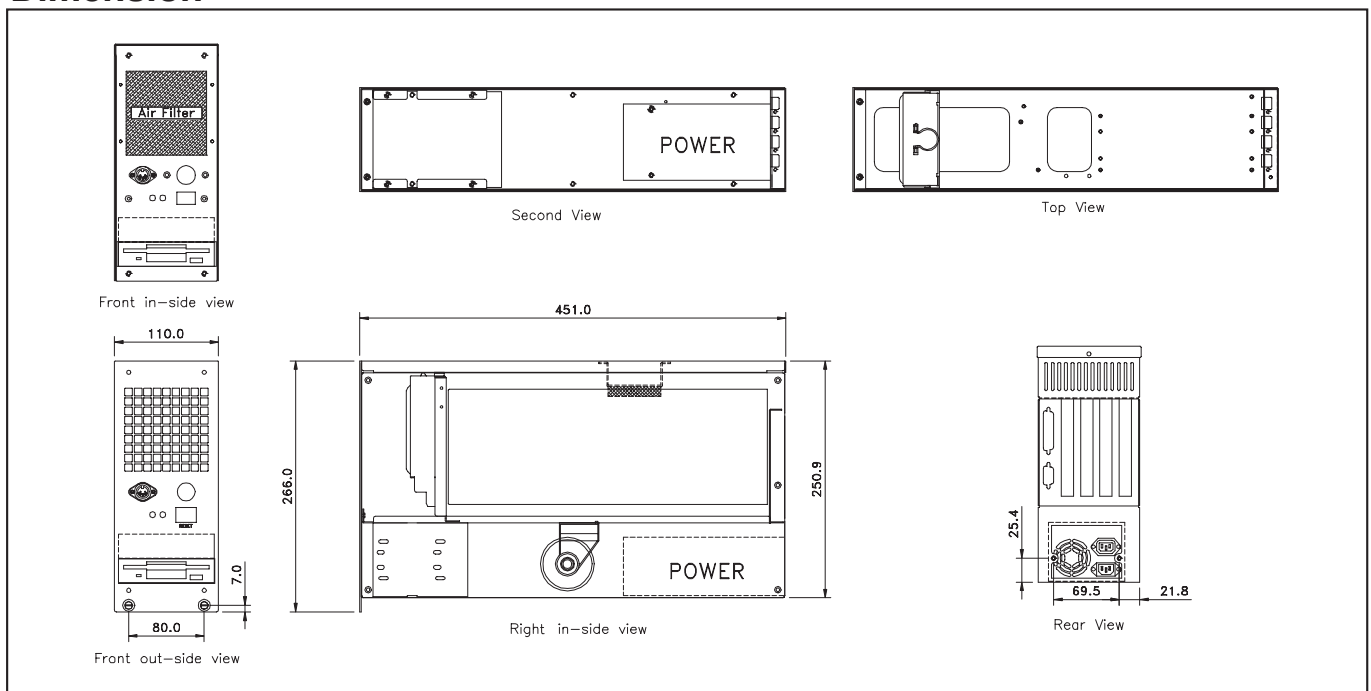
## 6U-1/4 Rackmount Chassis



### Specifications

- **Mounting:** Rack Mount
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **Support 4-slot Passive Backplane**
- **Drive Capacity:** 1x3.5" & 1x3.5"HDD
- **Power Supply(Optional):** Special Size 150W P/S (Rear Installation)
- **Cooling:** Hot Swappable 1x(92mm = 51CFM ea.) Fan
- **Air Filter:** Inside Front Panel (Washable)
- **Connector Port(Front):** 1xPS/2 Port
- **Indicators:** LEDs for Power ON/OFF, HDD Activity
- **Switch:** Power ON/OFF, System Reset
- **Dimensions (WxHxD):** 110x267x451mm(4.3"x10.5"x17.8")
- **Cuft:** 1.5
- **GW:** 7.0kgs / 15.4lbs
- **Carton Size(cm):** 57.0 x 20.0 x 36.4(22.4" x 7.9" x 14.3")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GHB-B08

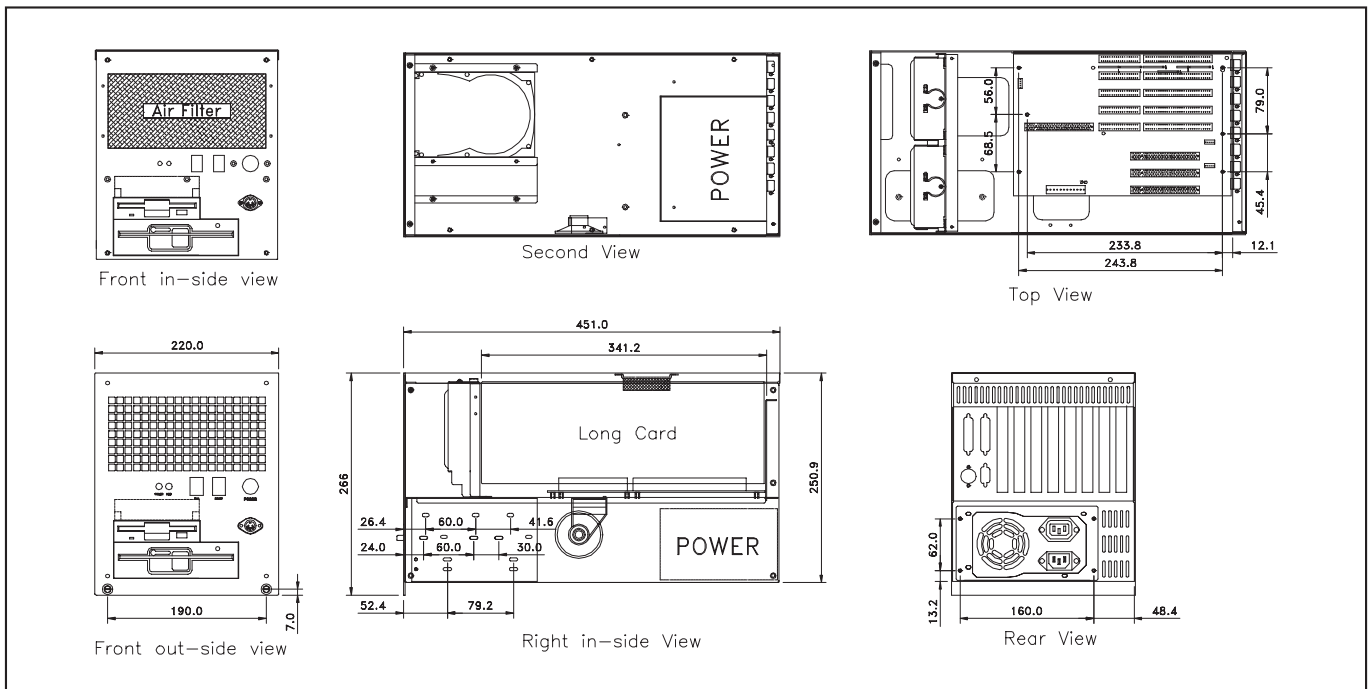
## 6U-1/2 Rackmount Chassis



### Specifications

- **Mounting:** Rack Mount
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **Support 8-slot Passive Backplane**
- **Drive Capacity:** 1x5.25" & 1x3.5" & 1x3.5"HDD
- **Power Supply(Optional):** PS/2 Size Single 250~400W or Redundant 230~250W P/S(Rear Installation)
- **Connector Port (Front):** 1x PS/2 Port
- **Cooling:** Hot Swappable 2x(9cm) Fans(51CFM ea.) with Air Filter
- **Air Filter:** Inside Front Panel (Washable)
- **Indicators:** LEDs for Power ON/OFF, HDD Activity
- **Switch:** Power ON/OFF, System Reset
- **Dimensions (W x H x D):** 220 x 266 x 451mm (4.3" x 10.5" x 17.8")
- **Cuft:** 2.3
- **GW:** 10.0kgs / 22.1lbs
- **Carton Size(cm):** 57.0 x 31.2 x 36.4 (22.4" x 12.3" x 14.3")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GHB-042

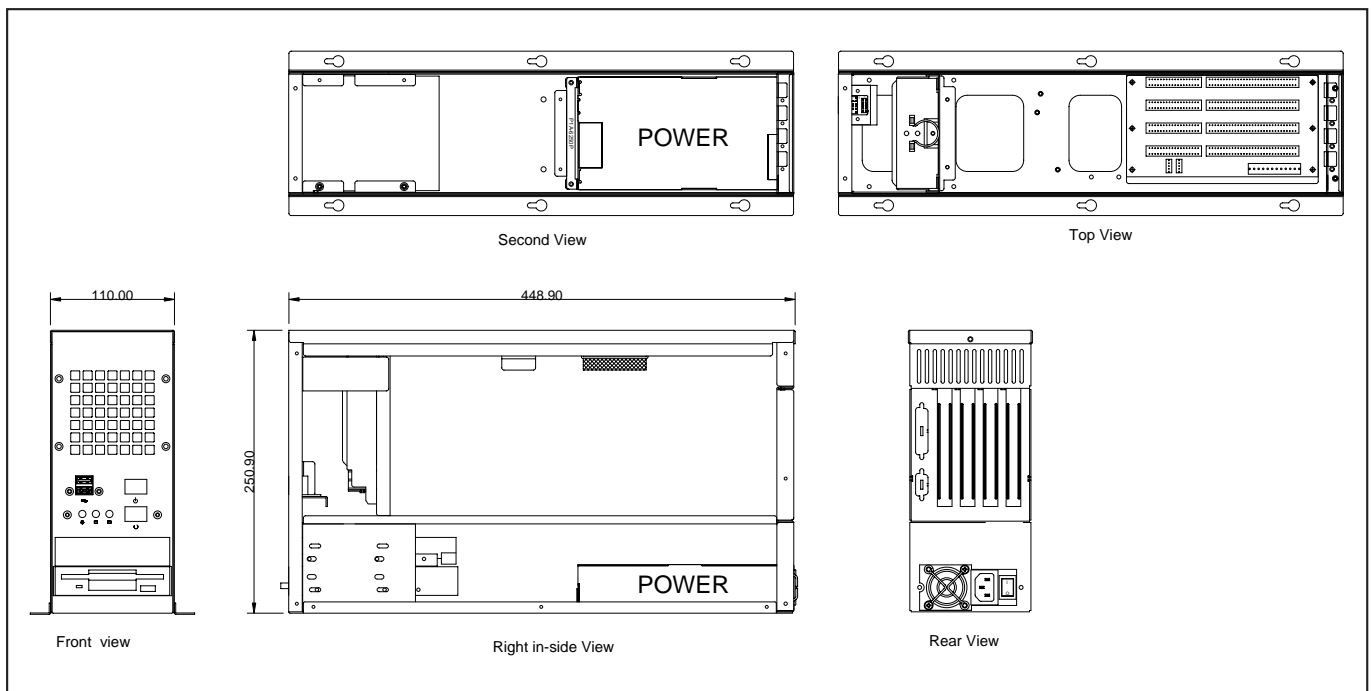
## 4-slot Micro Box Chassis



### Specifications

- **Mounting:** Desktop or Wall Mount
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **Supports 4-slot Passive Backplane**
- **Drive Capacity:** 1x 3.5" & 1x 3.5"HDD
- **Power Supply (Optional):** 1U Single up to 300W ATX P/S (Rear Installation) Max. Depth 205mm
- **Connector Port (Front):** 2x USB Ports
- **Cooling:** Hot Swappable 1x (92mm = 51CFM) Fan
- **Air Filter:** Inside Front Panel (Washable)
- **Indicators:** LEDs for Power ON/OFF, HDD Activity
- **Switch:** Power ON/OFF, System Reset
- **Dimensions(WxHxD):** 110x251x449mm(4.3"x9.9"x 17.7")
- **Cuft:** 1.5
- **GW:** 7.0kgs / 15.4lbs
- **Carton Size(cm):** 57 x 20 x 36.4 (22.4" x 7.9" x 14.3")
- **Humidity:** 5% - 95% Non-condensing

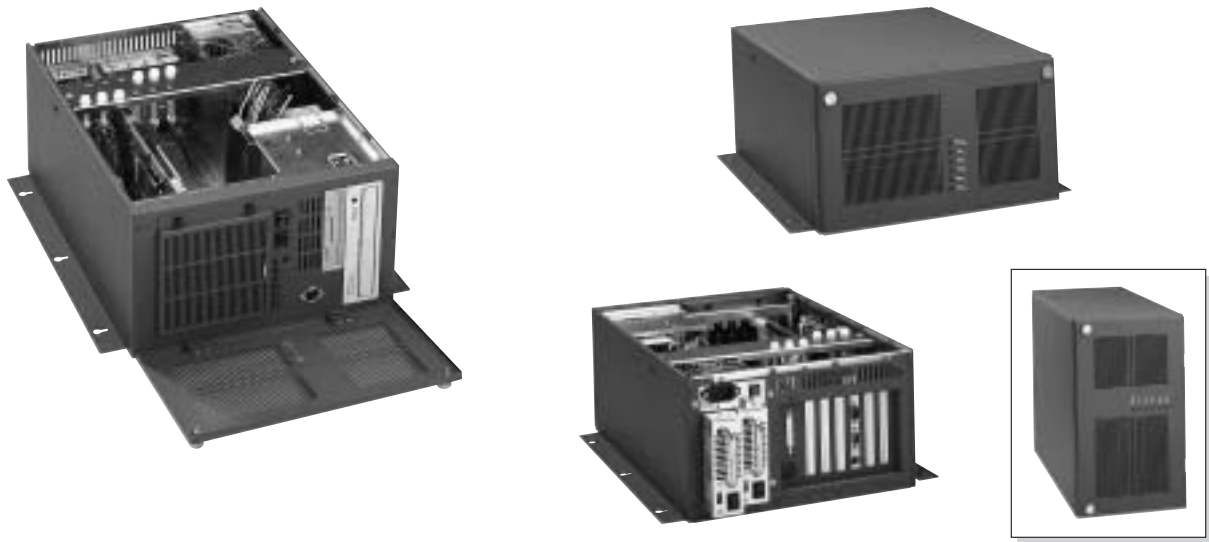
### Dimension



# GHB-060

## 6-slot Micro Box Chassis

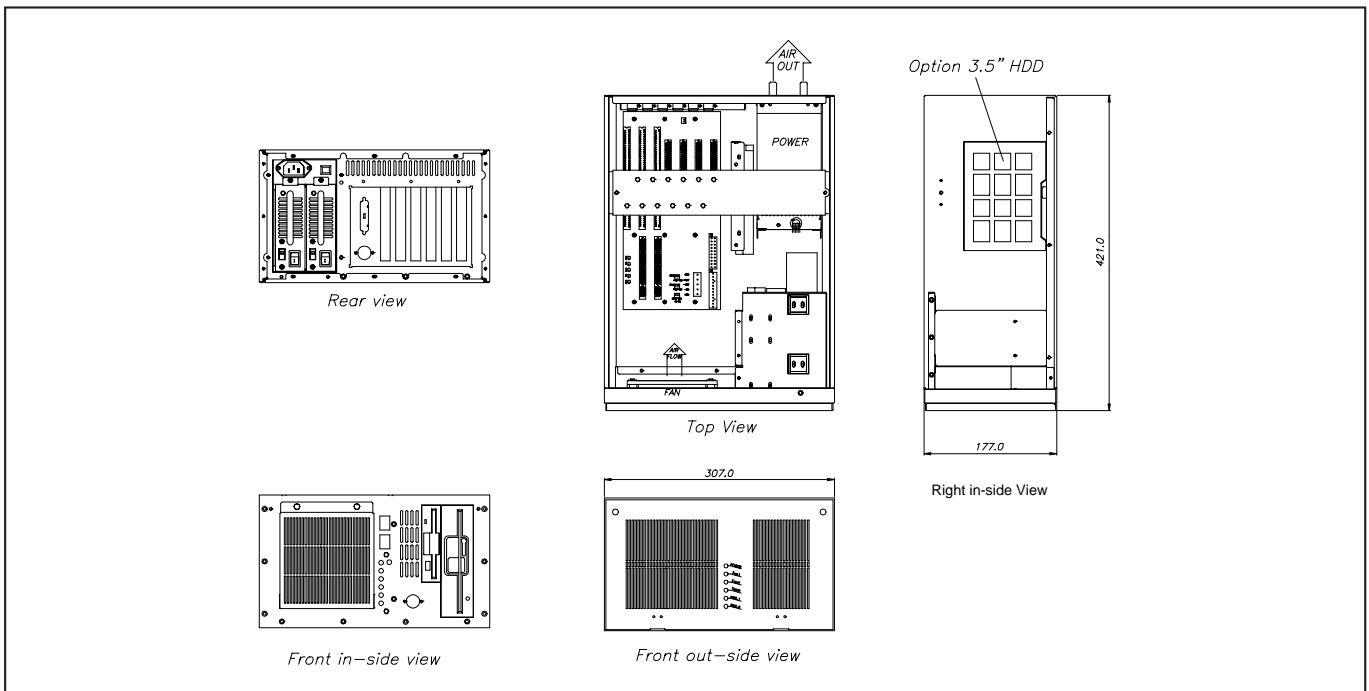
19" Rackmount



### Specifications

- **Mounting:** Desktop or Wall Mount
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **Support 6-slot Passive Backplane**
- **Drive Capacity:** 1x5.25" & 1x3.5"FDD & 1x3.5"HDD & 1x3.5"HDD(Optional)
- **Power Supply(Optional):** PS/2 Size Single up to 300W or Mini Redundant up to 300W ATX P/S (Rear Installation)
- **Cooling:** 1x(12cm) Fan(90CFM) with Removable Air Filter
- **Front Door:** Single Door with 2 Thumbscrews
- **Air Filter:** Inside Front Panel (Washable)
- **Connector Port (Front):** 1x PS/2 Port
- **Thermal Management Card Installed**
- **Indicators:** LEDs for Power ON/OFF, HDD Activity, Fan, Temperature
- **Flexible Hold Down Bar Designed**
- **Switch:** Power ON/OFF, System Reset, Buzzer Reset
- **Dimensions(WxHxD):** 307x177x421mm(12" x 7.0" x 16.6")
- **Cuft:** 2.9
- **GW:** 12.0kgs / 26.5lbs
- **Carton Size(cm):** 45.5 x 32.4 x 55.8 (17.9" x 12.8" x 22.0")
- **Humidity:** 5% - 95% Non-condensin

### Dimension



# GHB-061

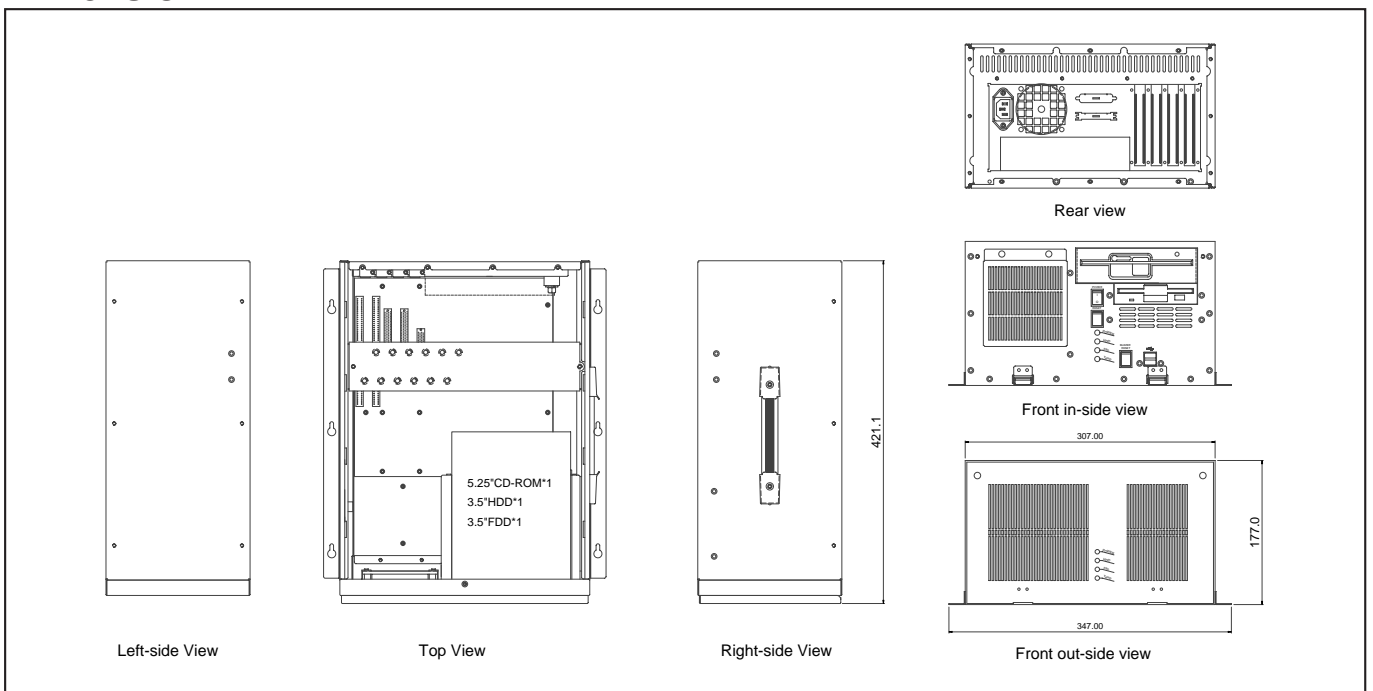
## 6-slot Micro Box Chassis



### Specifications

- **Mounting:** Desktop or Wall Mount
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **Support Flex ATX M/B and Micro ATX M/B**
- **Drive Capacity:** 1x5.25" & 1x3.5" & 1x3.5"HDD
- **Power Supply(Optional):** Special Size Single 250~300W(Mid Installation)
- **Cooling:** 1x(9cm) Fan(51CFM) with Removable Air Filter
- **Front Door:** Single Door With 2 Thumbscrews
- **With Portable Handle**
- **Air Filter:** Inside Front Danel (Washable)
- **Connector Port(Front):** 2xUSB Ports
- **Thermal Management Card GHA-CO01**
- **Indicators:** LEDs for Power ON/OFF, HDD Activity, Fan, Temperature
- **Flexible Hold Down Bar Designed**
- **Switch:** Power ON/OFF, System Reset, Buzzer Reset
- **Dimensions (WxHxD):** 307x177x421mm(12" x 7.0" x 16.6")
- **Cuft:** 2.9
- **GW:** 12.0kgs / 26.5lbs
- **Carton Size(cm):** 45.5x324x55.8 (17.9"x12.8"x 22.0")
- **Humidity:** 5% - 95% Non-condensing

### Dimension





# GHB-062-6

## 6-slot Micro Box Chassis

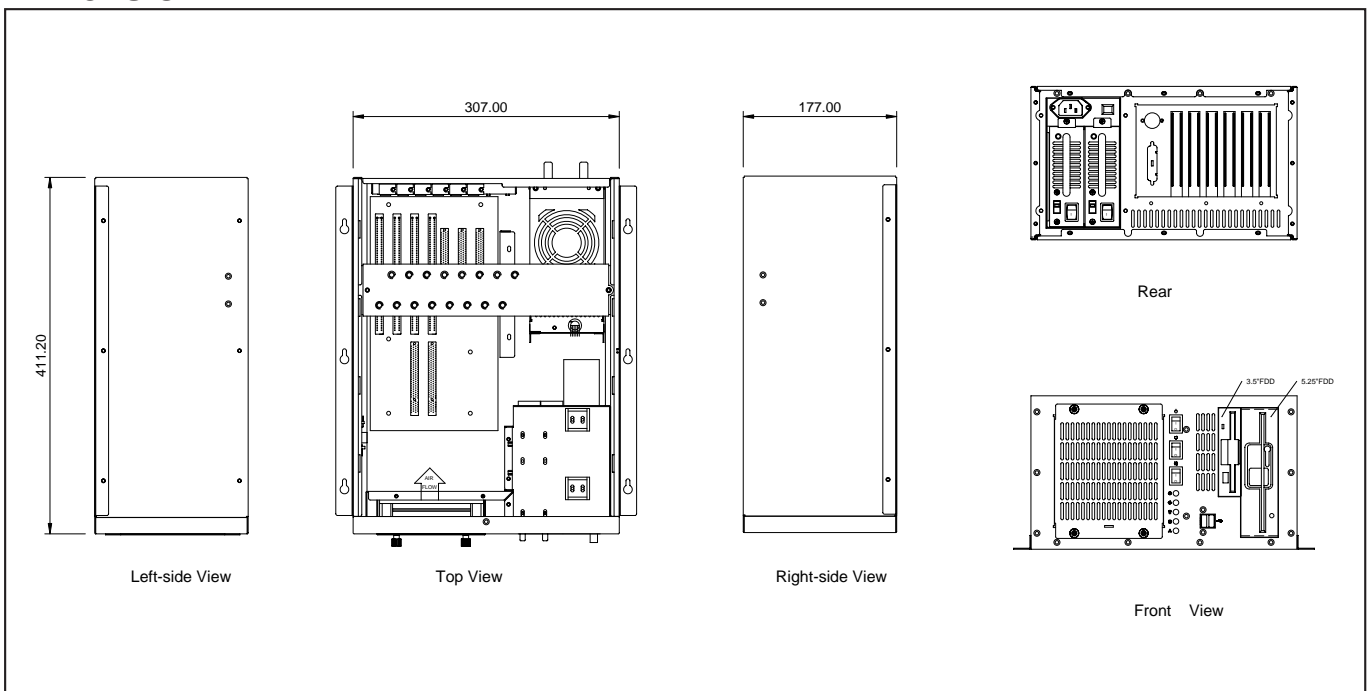


19" Rackmount

### Specifications

- **Mounting:** Desktop or Wall Mount
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **Supports Flex ATX M/B and Micro ATX M/B**
- **Drive Capacity:** 1x 5.25", 1x 3.5" HDD, 1x 3.5" FDD, & 1x 3.5" HDD Bracket (Optional)
- **Power Supply (Optional):** PS/2 Size Single or Mini  
Redundant up to 300W ATX P/S
- **Cooling:** 1x (120mm = 90CFM) Fan
- **Air Filter:** Inside Front Panel (Washable)
- **Connector Port (Front):** 2x USB Ports
- **Thermal Management Card Installed**
- **Indicators:** LEDs for Power ON/OFF, HDD Activity, Fan, Temperature
- **Flexible Hold Down Bar Designed**
- **Switch:** Power ON/OFF Momentary (Rocker), System Reset, Buzzer Reset
- **Dimensions (WxHxD):** 307x177x412 mm(12"x7.0"x16.2")
- **Cuft:** 2.9
- **GW:** 12.0kgs / 26.5lbs
- **Carton Size(cm):** 45.5 x 32.4 x 55.8 (17.9" x 12.8" x 22.0")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GHB-062-8

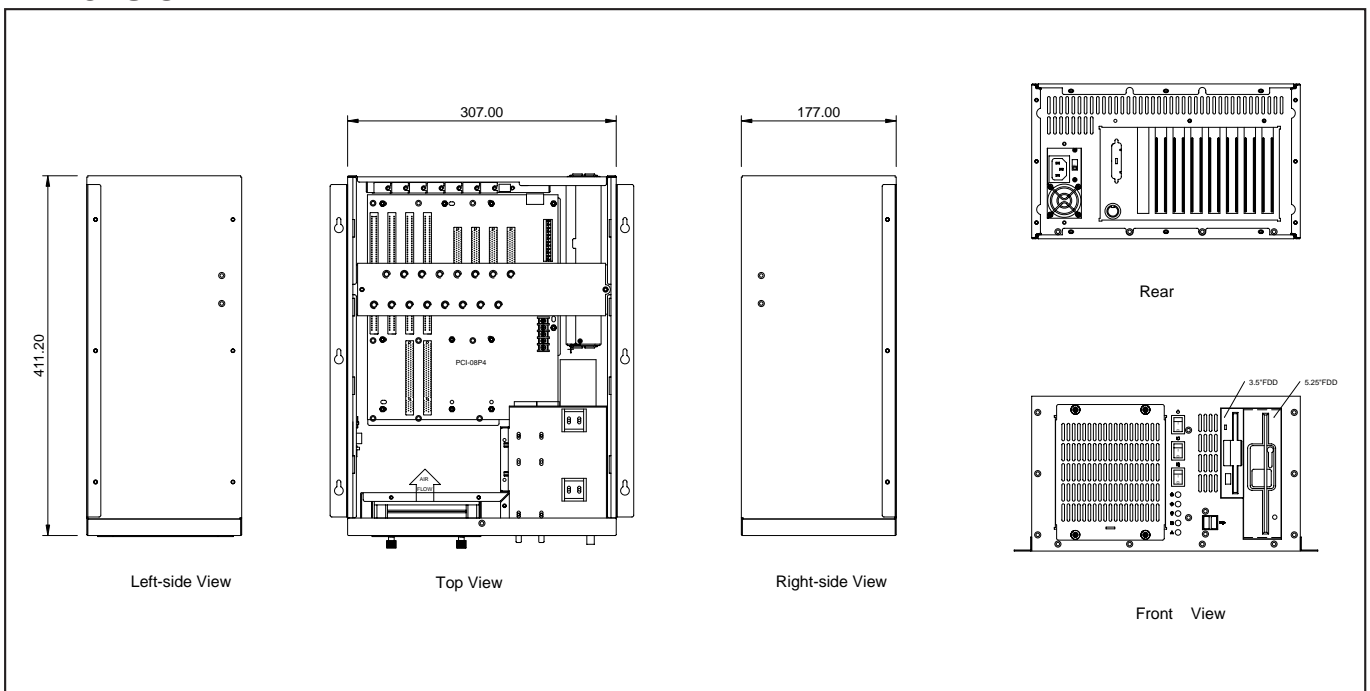
## 8-slot Micro Box Chassis



### Specifications

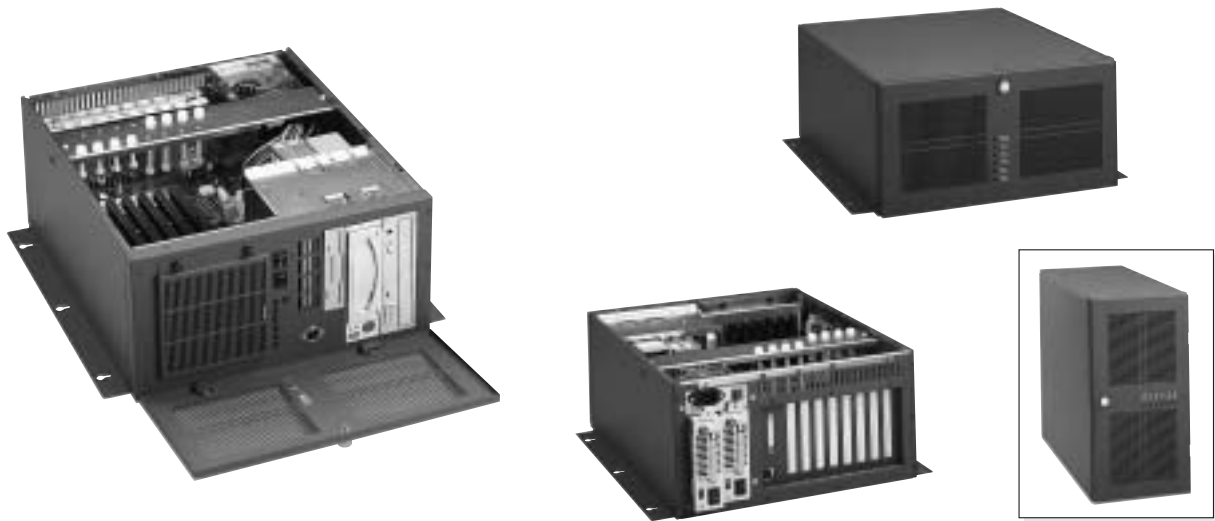
- **Mounting:** Desktop or Wall Mount
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **Supports 8-slot Passive Backplane**
- **Drive Capacity:** 1x 5.25" & 1x 3.5" FDD & 1x 3.5" HDD
- **Power Supply (Optional):** 1U Single up to 350W ATX P/S (Rear Installation) Max. Depth 225mm
- **Cooling:** 1x(12cm) Fan(90CFM) with Removable Air Filter
- **Air Filter:** Inside Front Panel Washable
- **Connector Port (Front):** 2x USB Ports
- **Thermal Management Card Installed**
- **Indicators:** LEDs for Power ON/OFF, HDD Activity, Fan, Temperature
- **Flexible Hold Down Bar Designed**
- **Switch:** Power ON/OFF Momentary (Rocker), System Reset, Buzzer Reset
- **Dimensions(WxHxD):** 307x177x412 mm(12"x7.0"x16.2")
- **Cuft:** 2.9
- **GW:** 12.0kgs / 26.5lbs
- **Carton Size(cm):** 45.5 x 32.4 x 55.8 (17.9" x 12.8" x 22.0")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GHB-080

## 8-slot Micro Box Chassis

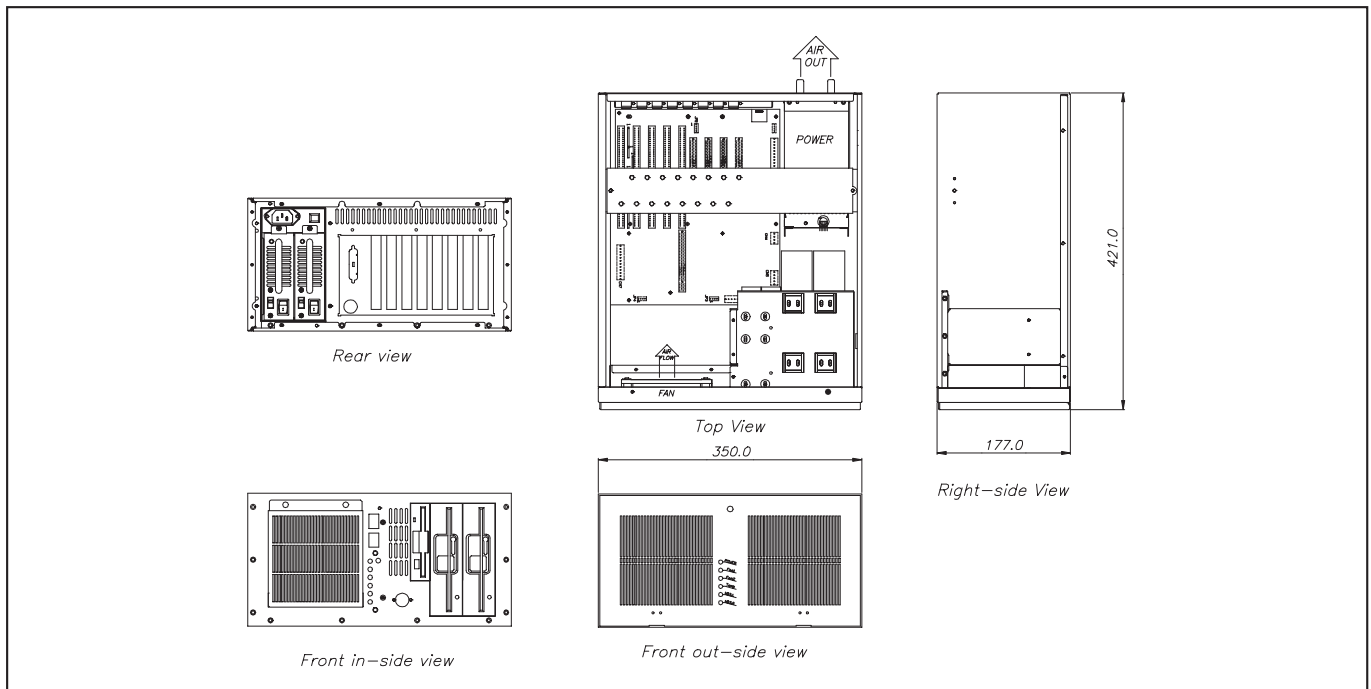


19" Rackmount

### Specifications

- **Mounting:** Desktop or Wall Mount
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **Support 8-slot Passive Backplane**
- **Drive Capacity:** 2x5.25" & 1x3.5" & 1x3.5"HDD
- **Power Supply(Optional):** PS/2 Size Single 250~400W or Redundant 230~250W P/S(Rear Installation) Max. Depth 225mm
- **Cooling:** 1x(12cm) Fan(90CFM) with Removable Air Filter
- **Front Door:** Single Door with 1 Thumbscrew
- **Air Filter:** Inside Front Danel (Washable)
- **Connector Port (Front):** 1x PS/2 Port
- **Thermal Management Card Installed**
- **Indicators:** LEDs for Power ON/OFF, HDD Active, Fan, Temperature
- **Flexible Hold Down Bar Designed**
- **Switch:** Power ON/OFF, System Reset, Buzzer Reset
- **Dimensions(WxHxD):** 350x177x421mm(13.8" x 7.0" x 16.6")
- **Cuft:** 3.1
- **GW:** 15.0kgs / 33.1lbs
- **Carton Size(cm):** 49.0 x 32.4 x 55.8(19.3" x 12.8" x 22.0")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GHB-082-8

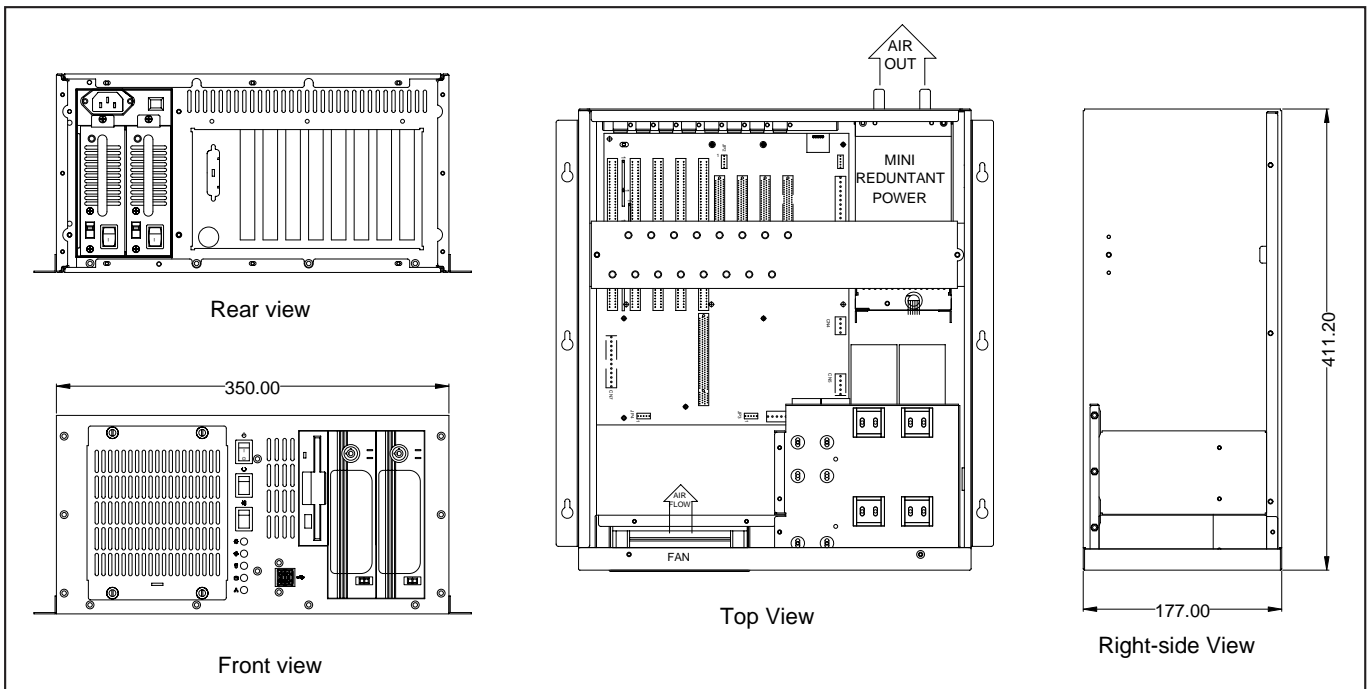
## 8-slot Micro Box Chassis



### Specifications

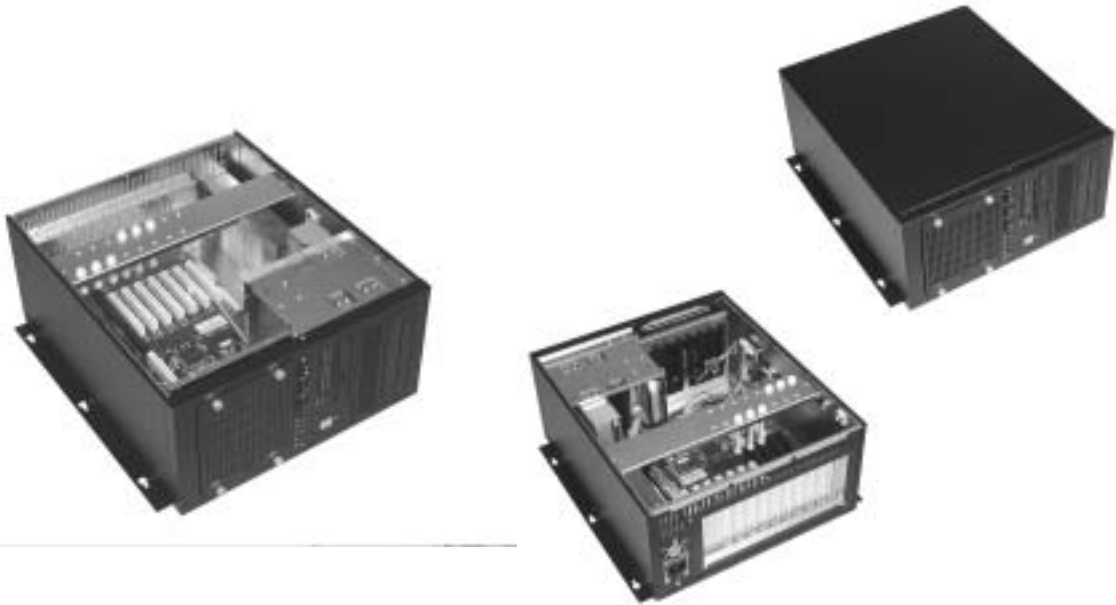
- **Mounting:** Desktop or Wall Mount
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **Support 8-slot Passive Backplane**
- **Drive Capacity:** 2x5.25" & 1x3.5" & 1x3.5"HDD
- **Power Supply(Optional):** PS/2 Size Single 250~400W or Redundant 230~250W P/S(Rear Installation) Max. Depth 225mm
- **Cooling:** 1x(12cm) Fan(90CFM) with Removable Air Filter
- **Without Front Door.**
- **Air Filter:** Inside Front Panel (Washable)
- **Connector Port (Front):** 2x USB Ports
- **Thermal Management Card Installed**
- **Indicators:** LEDs for Power ON/OFF, HDD Activity, Fan, Temperature, LAN
- **Flexible Hold Down Bar Designed**
- **Switch:** Power ON/OFF, System Reset, Buzzer Reset
- **Dimensions (WxHxD):** 350x177x411mm(13.8"x7.0"x16.2")
- **Cuft:** 3.1
- **GW:** 15.0kgs / 33.1lbs
- **Carton Size(cm):** 49.0 x 32.4 x 55.8(19.3" x 12.8" x 22.0")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GHB-082-10

## 10-slot Micro Box Chassis

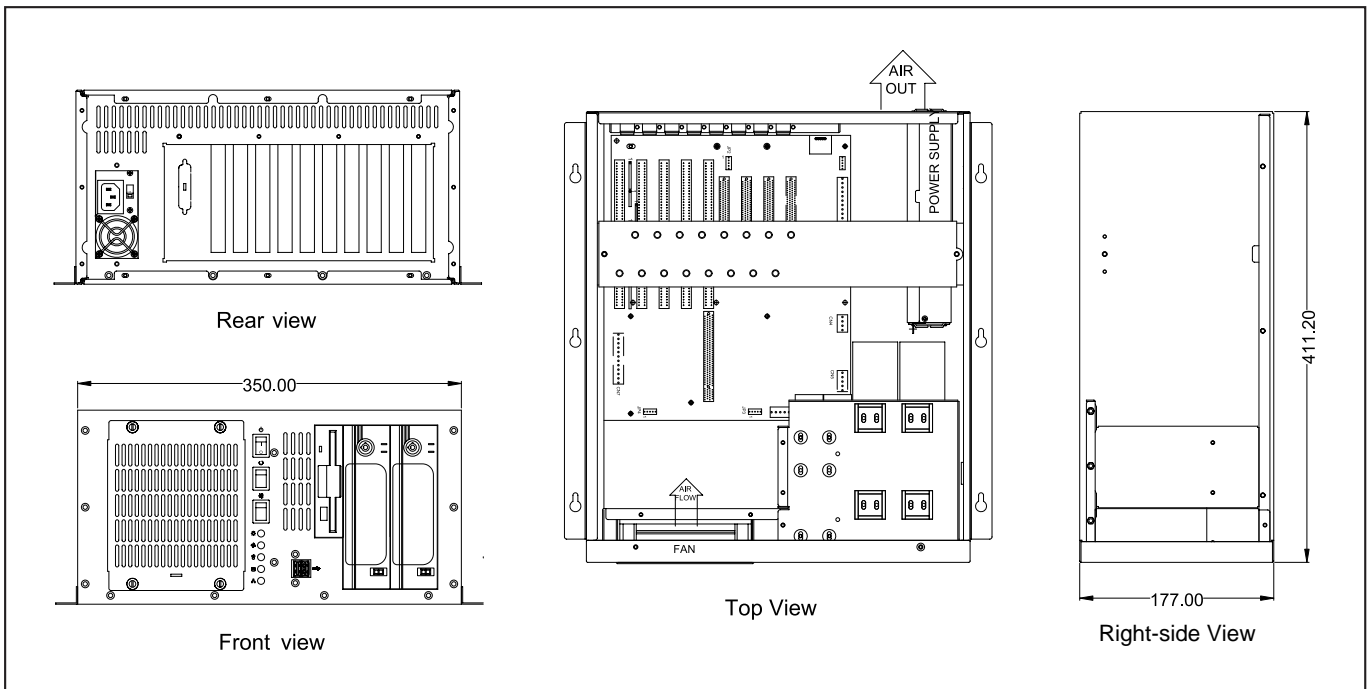


19" Rackmount

### Specifications

- **Mounting:** Desktop or Wall Mount
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **Support 10-slot Passive Backplane**
- **Drive Capacity:** 1x5.25" & 1x3.5" & 1x3.5"HDD
- **Power Supply(Optional):** 1U Size Single 250~300W P/S
- **Cooling:** 1x(12cm) Fan(90CFM) with Removable Air Filter
- **Without Front Door.**
- **Air Filter:** Inside Front Danel (Washable)
- **Connector Port (Front):** 2x USB Ports
- **Thermal Management Card Installed**
- **Indicators:** LEDs for Power ON/OFF, HDD Activity, Fan, Temperature, LAN
- **Flexible Hold Down Bar Designed**
- **Switch:** Power ON/OFF, System Reset, Buzzer Reset
- **Dimensions (WxHxD):** 350x177x411mm(13.8"x7.0"x16.2")
- **Cuft:** 3.1
- **GW:** 15.0kgs / 33.1lbs
- **Carton Size(cm):** 49.0 x 32.4 x 55.8(19.3" x 12.8" x 22.0")
- **Humidity:** 5% - 95% Non-condensing

### Dimension





# GHB-083-8

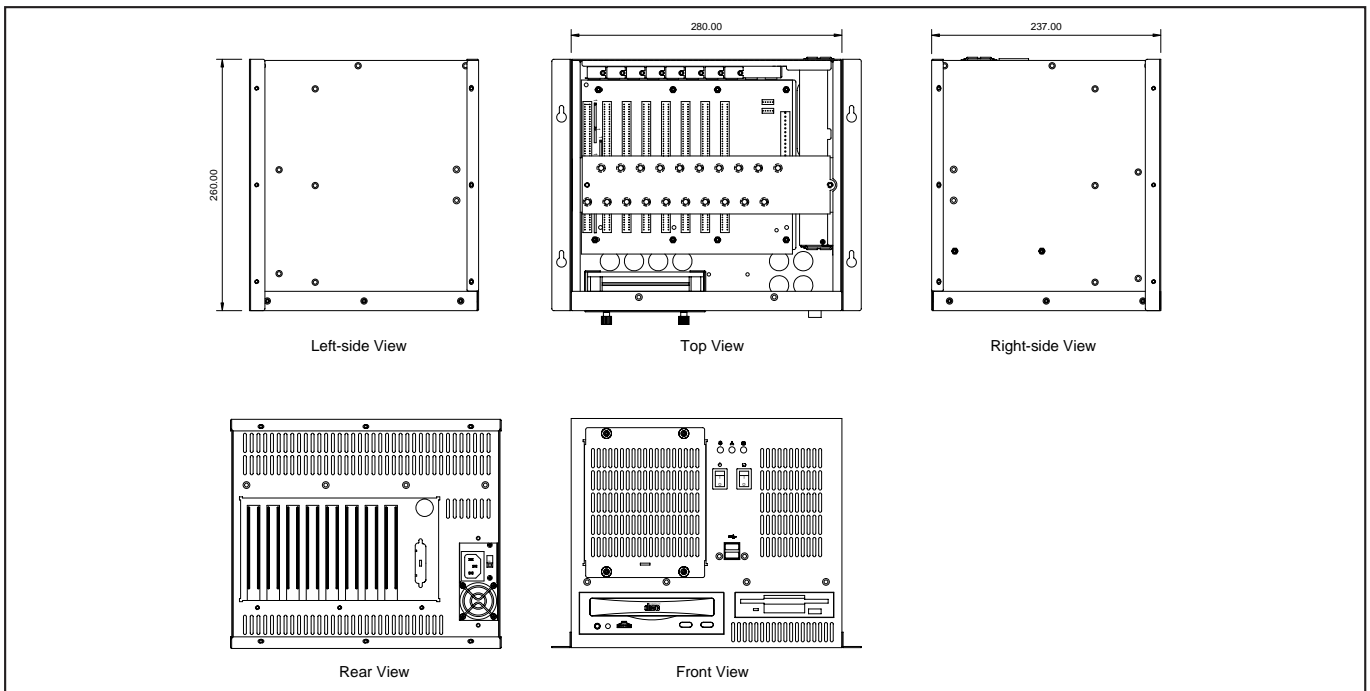
## 8-slot Micro Box Chassis



### Specifications

- **Mounting:** Desktop or Wall Mount
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **Support 8-slot Passive Backplane**
- **Drive Capacity:** 1x5.25" & 1x3.5" & 1x3.5"HDD
- **Power Supply(Optional):** 1U 200~300W P/S
- **Cooling:** 1x(12cm) Fan(90CFM) with Removable Air Filter
- **Air Filter:** Inside Front Panel (Washable)
- **Connector Port (Front):** 2x USB Ports
- **Indicators:** LEDs for Power ON/OFF, HDD Activity, LAN
- **Flexible Hold Down Bar Designed**
- **Switch:** Power ON/OFF, System Reset
- **Dimensions (WxHxD):** 280x237x260mm (11"x9.3"x10.2")
- **Cuft:** 2.3
- **GW:** 15.0kgs / 33.1lbs
- **Carton Size(cm):** 42.0x38.0x40.0(16.5"x15.0"x15.8")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GHB-083-10

## 10-slot Micro Box Chassis

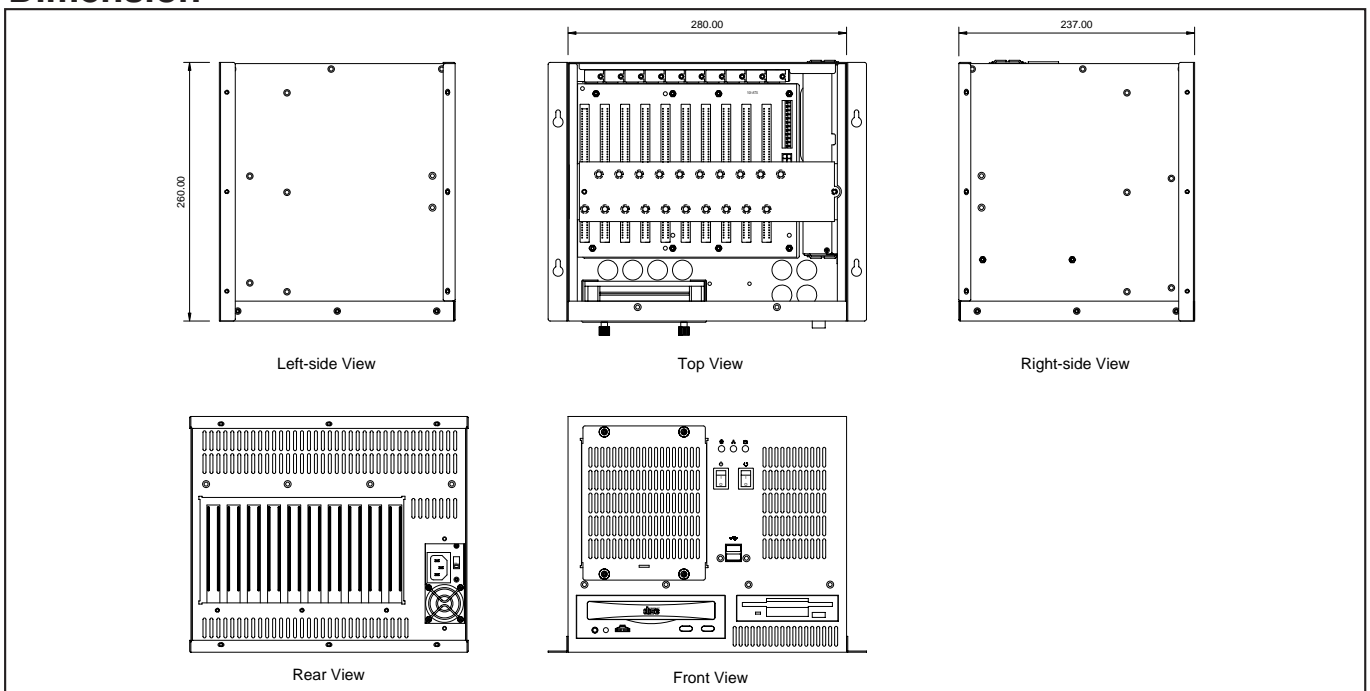


19" Rackmount

### Specifications

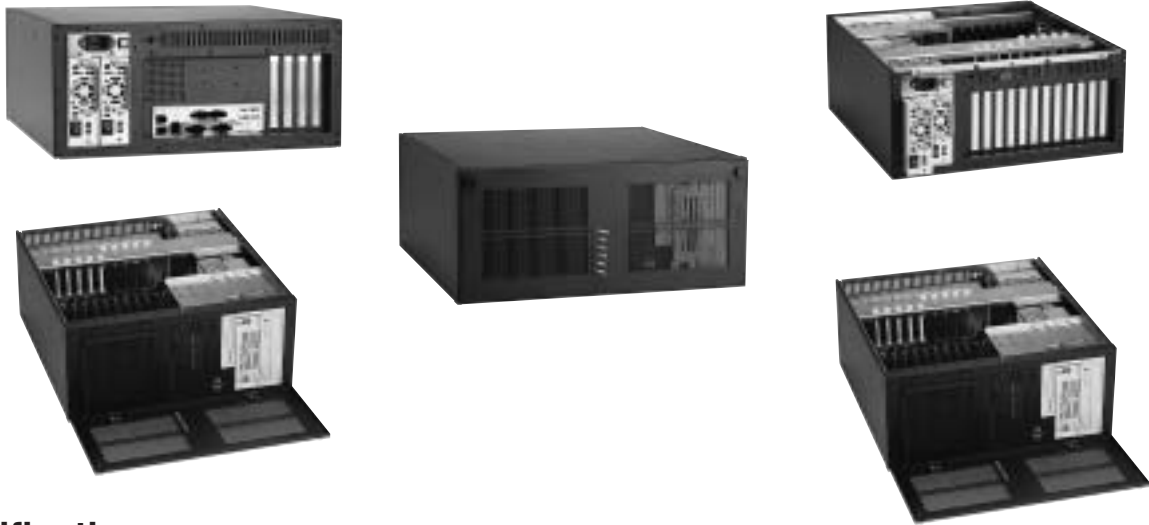
- **Mounting:** Desktop or Wall Mount
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **Support 10-slot Passive Backplane**
- **Drive Capacity:** 1x5.25" & 1x3.5" & 1x3.5"HDD
- **Power Supply(Optional):** 1U 200~300W P/S
- **Cooling:** 1x(12cm) Fan(90CFM) with Removable Air Filter
- **Air Filter:** Inside Front Panel (Washable)
- **Connector Port (Front):** 2x USB Ports
- **Indicators:** LEDs for Power ON/OFF, HDD Activity, LAN
- **Flexible Hold Down Bar Designed**
- **Switch:** Power ON/OFF, System Reset
- **Dimensions(WxHxD):** 280x237x260mm(11"x9.3"x10.2")
- **Cuft:** 2.3
- **GW:** 15.0kgs / 33.1lbs
- **Carton Size(cm):** 42.0x38.0x40.0(16.5"x15.0"x15.8")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GHB-120ATXR/120SR

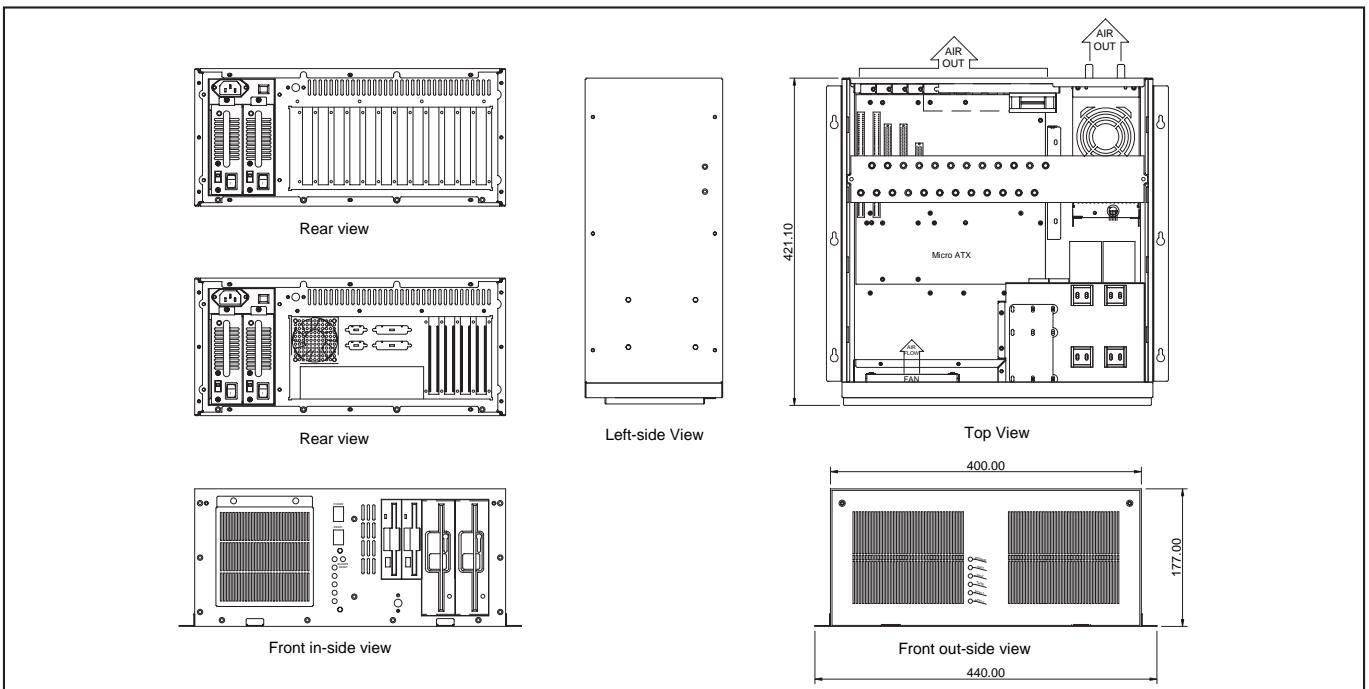
## Micro Box Chassis



### Specifications

- **Mounting:** Desktop or Wall Mount
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **Support Flex ATX M/B and Micro ATX M/B(120ATXR)**
- **Support 10/12-slot Passive Backplane(9 Full Length Card)(120SR)**
- **Drive Capacity:** 2x5.25" & 2x3.5" & 1x3.5"HDD
- **Power Supply(Optional):** PS/2 Size Single up to 400W or Redundant up to 300W ATX P/S (Rear Installation) Max. Depth 225mm
- **Cooling:** 1x(12cm) Fan(90CFM) with Removable Air Filter
- **Front Door:** Single Door with 2 Thumbscrews
- **Air Filter:** Inside Front Panel (Washable)
- **Thermal Management Card Installed**
- **Indicators:** LEDs for Power ON/OFF, HDD Activity, Fan, Temperature
- **Flexible Hold Down Bar Designed**
- **Switch:** Power ON/OFF, System Reset, Buzzer Reset
- **Dimensions (WxHxD):** 400x177x420mm(15.7"x7.0"x16.5")
- **Cuft:** 3.6
- **GW:** 15.0kgs / 33.1lbs
- **Carton Size(cm):** 56.1 x 33.0 x 54.8(22.1" x 13.0" x 21.6")
- **Humidity:** 5% - 95% Non-condensing

### Dimension



# GH-M15/M17

## Monitor Enclosure

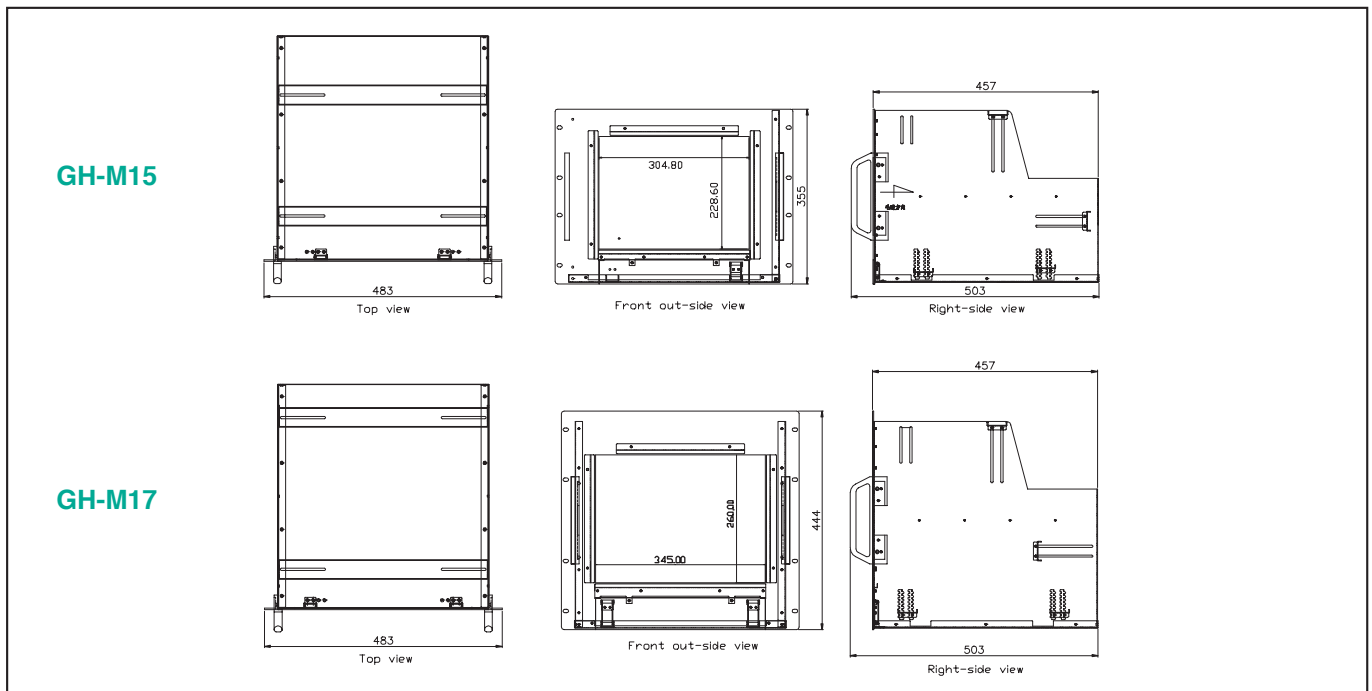
19" Rackmount



### Specifications

- EIA RS-310C 19" Rackmount Standard
- Universal Solution for Mounting 15" (M15) or 17" (M17) Monitor
- Form Factor: GH-M15 = 8U, GH-M17 = 10U
- Color: Black (Standard), Beige or Custom
- Screen Size: 305x299mm(M15), 345x260mm(M17)
- Dimensions(WxHxD):  
483x355x460mm(19"x14.0"x18.1")(M15)  
483x444x460mm(19"x17.5"x18.1")(M17)
- Cufit: 2.2
- GW: 12.0kgs / 26.5 lb(M15), 13.0kgs / 28.6lbs(M17)
- Carton Size(cm): 65.4 x 15.2 x 62.4(25.8" x 6.0" x 24.6")

### Dimension



# GHK-M01

1U 15" LCD Monitor

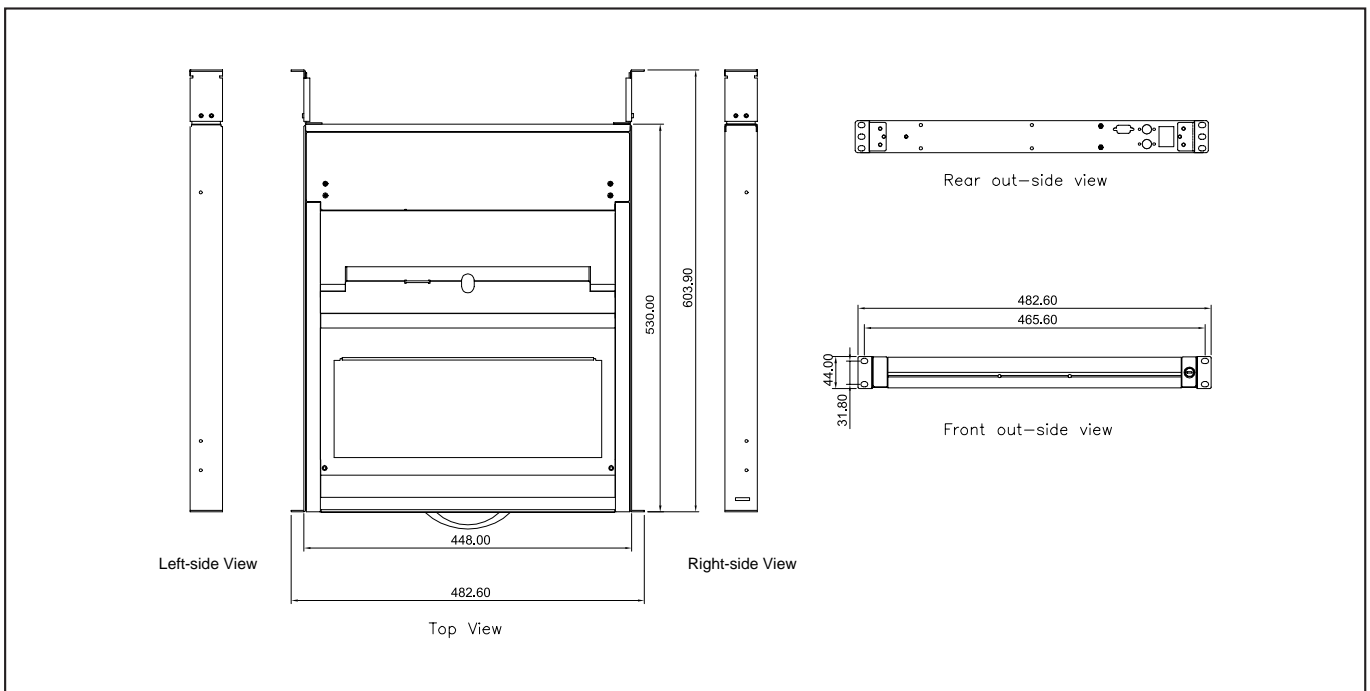
19" Rackmount



## Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard) or Beige
- **LCD Size:** 15" TFT with 1024x768 Resolution
- **LCD Quality:** Luminance(250 cd/m<sup>2</sup>)
- **Keyboard:** 83/84 Key with Integrated Track Ball + 2 Mouse Buttons
- **Power Supply:** 12V/48W, 100~240V Auto Ranging PSU
- **Key Lock:** Yes
- **Indicators:** LED for Power
- **Switch:** Power ON/OFF, Brightness, Contrast, Menu
- **Dimensions(WxHxD):** 483x44x520mm(19"x1.7"x20.2")
- **Cuft:** 4.1
- **GW:** 20.0kgs / 44.1lbs
- **Carton Size(cm):** 75.1x23.3x67.0(29.6"x9.2"x26.4")
- **Humidity:** 5% - 95% Non-condensing

## Dimension





# GHK-M02

1U 15" LCD Monitor with 8-ports KVM

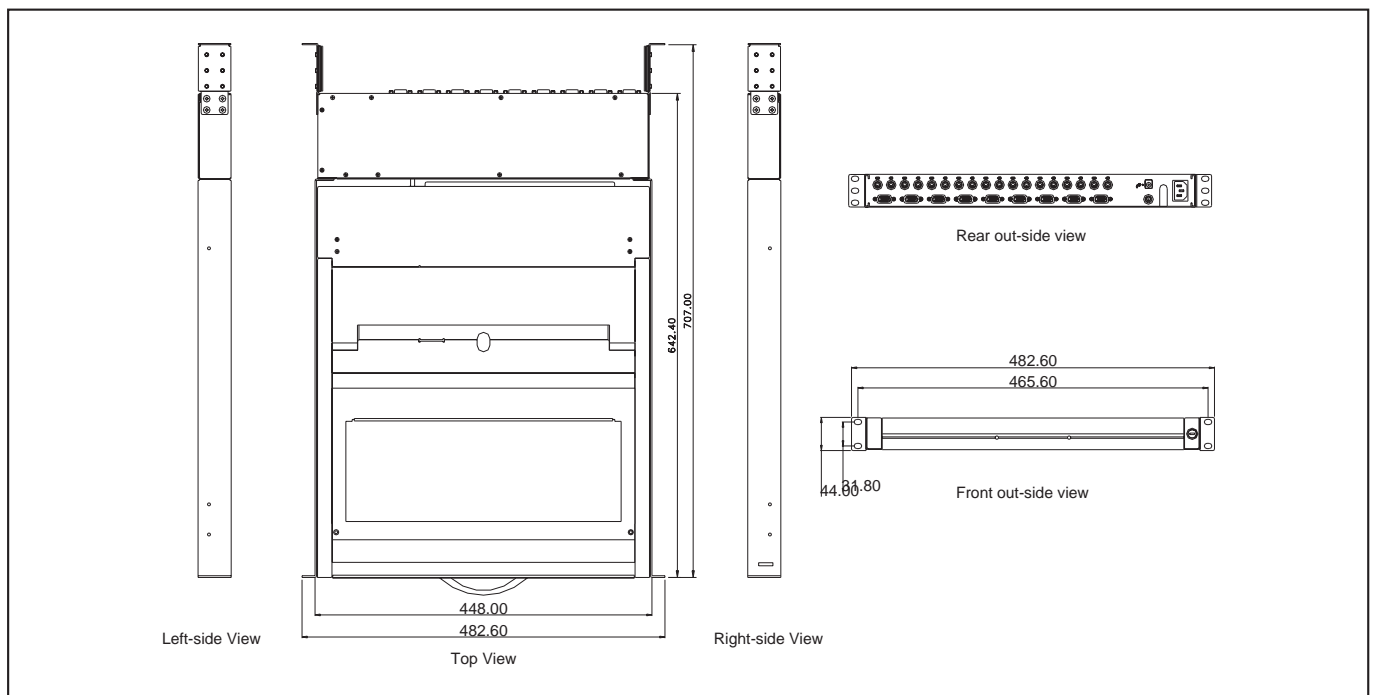


19" Rackmount

## Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **LCD Size:** 15" TFT with 1024x768 Resolution
- **LCD Quality:** Luminance(250 cd/m<sup>2</sup>)
- **Keyboard:** 83/84 Key with Integrated Track Ball + 2 Mouse Buttons
- **Power Supply:** 12V/48W, 100~240V Auto Ranging PSU
- **Key Lock:** Yes
- **Indicators:** LED for Power
- **Switch:** Power ON/OFF, Brightness, Contrast, Menu
- **KVM:** 8 Ports
- **Dimensions(WxHxD):** 483x44x520mm(19"x1.7"x20.2")
- **Cuft:** 3.5
- **GW:** 22.0kgs / 48.5lbs
- **Carton Size(cm):** 71.2x22.1x63.0(28.0"x8.7"x24.8")
- **Humidity:** 5% - 95% Non-condensing

## Dimension



# GH-K02



## Specifications

- EIA RS-310C 19" 1U Rackmount Keyboard Drawer
- 104 Keys IBM PC XT/AT Full Compatible Keyboard
- Color: Beige or Black
- Rugged Sliding Rails with Handles & Key Lock
- Mouse Pad & Storage compartment
- Dimensions: 483(W)x44(H)x460(D)mm (19"x1.7"x18.1")
- Cuft: 1.3
- GW: 8.5kgs / 18.7lbs
- Carton Size(cm): 57.3x11.0x59.4 (22.6"x4.3"x23.4")

# GH-KD1



## Specifications

- EIA RS-310C 19" 1U Rackmount Keyboard Drawer
- Special Design for Cherry "G80-11900" Keyboard (Optional)
- Color: Beige or Black
- Rugged Sliding Rails with Handles & Key Lock
- Dimensions: 483(W)x44(H)x460(D)mm (19"x1.7"x18.1")
- Cuft: 1.3
- GW: 6.0kgs / 13.2lbs
- Carton Size(cm): 57.3x11.0x59.4 (22.6"x4.3"x23.4")

# GH-KD4



## Specifications

- EIA RS-310C 19" 1U Rackmount Keyboard Drawer
- Special Design for Cherry "G84-4400" Keyboard (Optional)
- Color: Beige or Black
- Rugged Sliding Rails with Handles & Key Lock
- Dimensions: 483(W)x44(H)x460(D)mm (19"x1.7"x18.1")
- Cuft: 1.3
- GW: 8.0kgs / 17.6lbs
- Carton Size(cm): 57.3x11.0x59.4 (22.6"x4.3"x23.4")

# GHC-C01

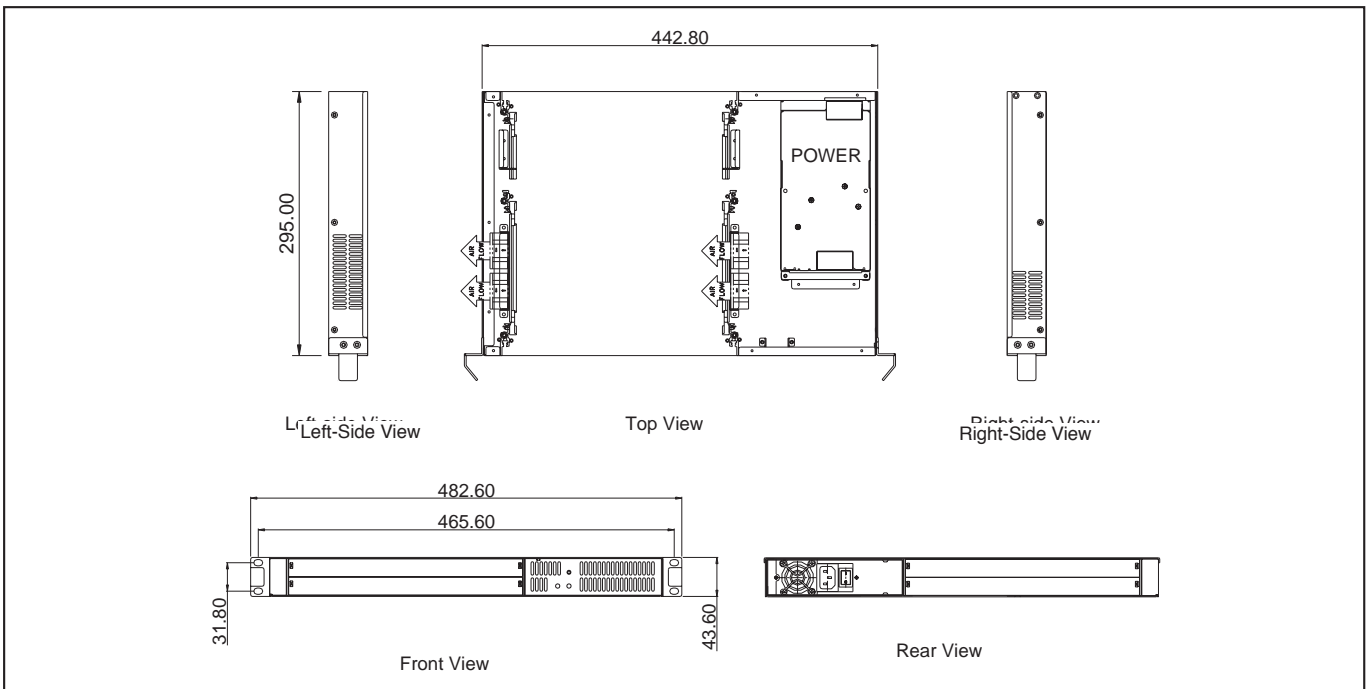
1U Compact PCI



## Specifications

- **EIA RS-310C 19" Rack-mount Standard**
- **Construction:** Rittal System & Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **Support:** 2-slot 64bit 6U cPCI Backplane with H.110 Compatible Pin Assignments on Peripheral Slot
- **Power Supply(Optional):** 1U Single up to 400W ATX P/S (Rear Installation) Max. Depth 250mm
- **Cooling:** 4x(4cm) Fans(10.8CFM ea.)
- **Indicators:** LEDs for Power ON/OFF
- **Switch:** Power ON/OFF, System Reset
- **Dimensions (W x H x D):** 483x44x323mm(19"x1.7"x12.7")
- **Cuft:** 1.7
- **GW:** 7.7kgs / 17.0 lbs
- **Carton Size(cm):** 593x445x181(23.4"x17.5"x7.1")
- **Product Applications:** High end Firewall , VPN ,IDS ,Traffic Management

## Dimension



# GHC-C02

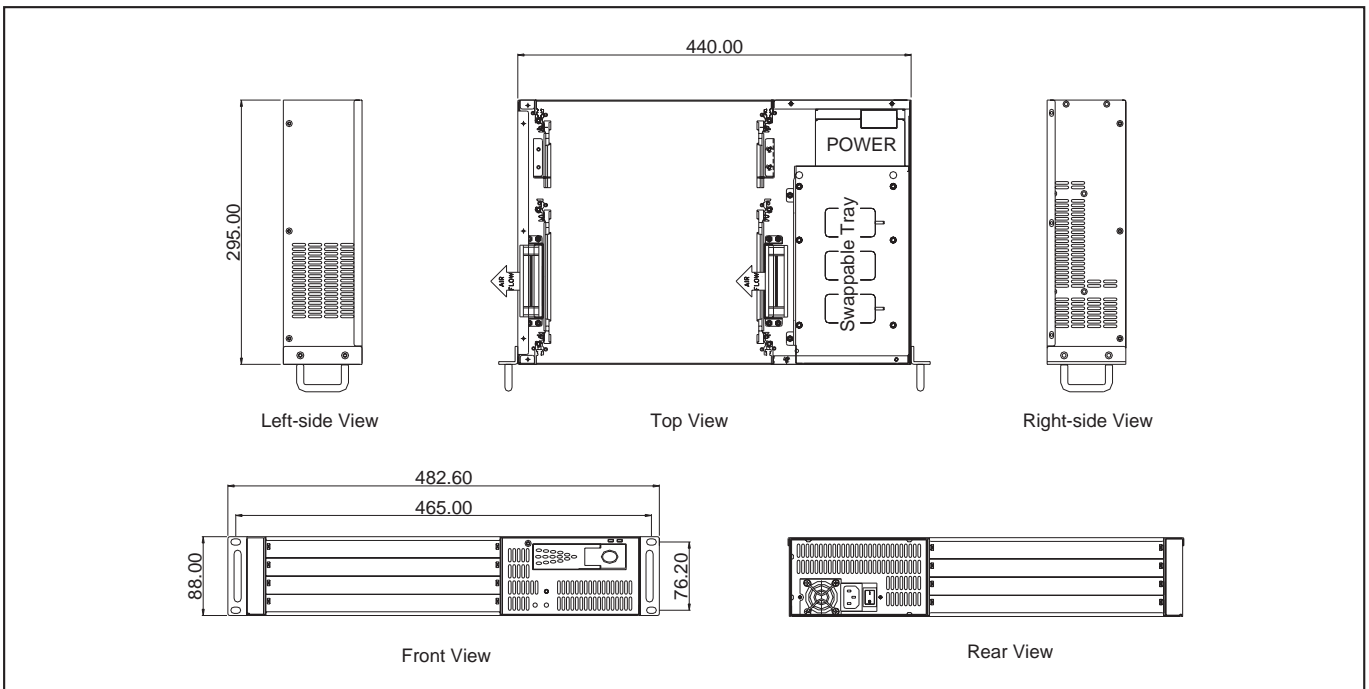
2U Compact PCI



## Specifications

- **EIA RS-310C 19" Rack-mount Standard**
- **Construction:** Rittal System & Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **Support:** 4-Slot 64 bit 6U cPCI Backplane with H.110 Compatible pin
- **Drive Capacity:** 1x3.5" Swappable Trays
- **Power Supply(Optional):** 1U Single up to 400W ATX P/S (Rear Installation) Max. Depth 250mm
- **Cooling:** 2x(8cm) Fans(42.5CFM ea.)
- **Indicators:** LEDs for Power ON/OFF
- **Switch:** Power ON/OFF, System Reset
- **Dimensions (W x H x D):** 483x88x295mm(19"x3.5"x11.6")
- **Cuft:**2.1
- **GW:** 10.1kgs / 22.3 lbs
- **Carton Size(cm):** 593x445x226(23.4"x17.5"x8.9")
- **Product Applications:** High end Firewall , VPN ,IDS ,Traffic Management, Telecom

## Dimension



# GHC-C03

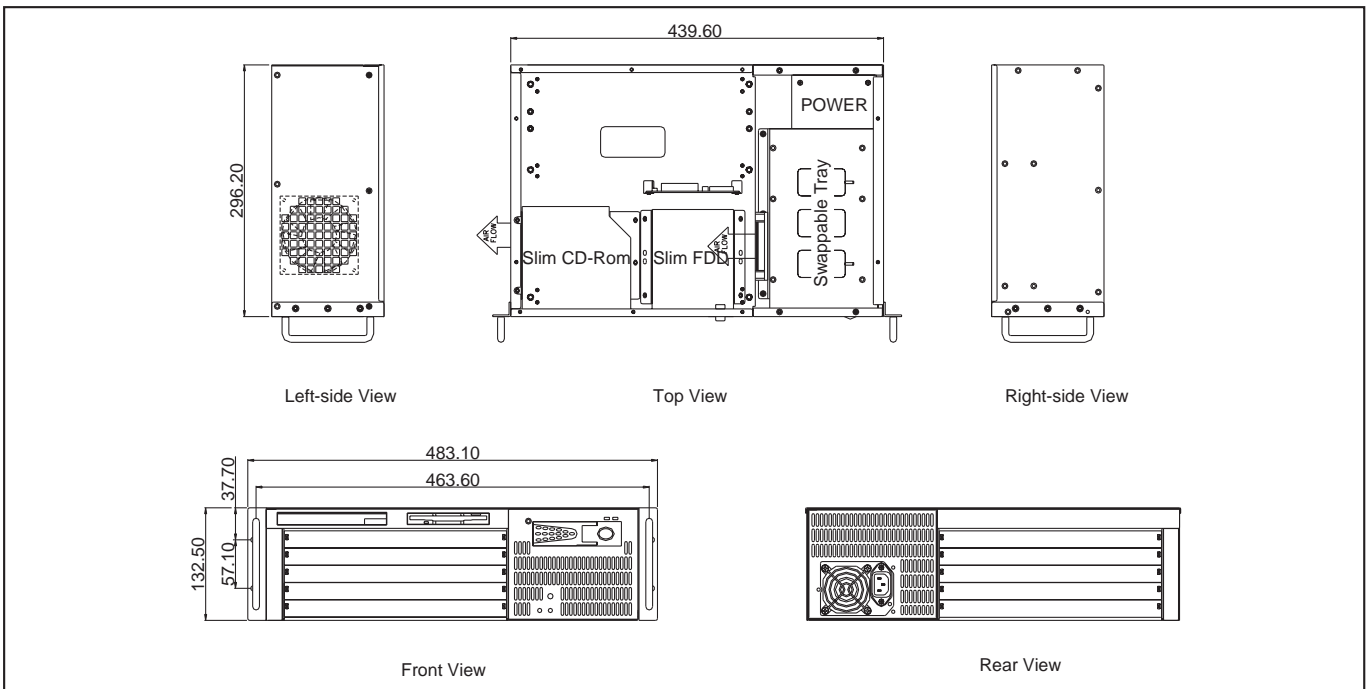
## 3U Compact PCI



### Specifications

- **EIA RS-310C 19" Rack-mount Standard**
- **Construction:** Rittal System & Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **Support:** 5-slot 32/64 bit 6U cPCI H.110 Bus Backplane
- **Drive Capacity:** 1xSlim CD-ROM & 1xSlim FDD & 1x3.5"Swappable Trays
- **Power Supply(Optional):** 2U Single 300W~320W ATX P/S
- **Cooling:** 1x(8cm) Fans(42.5CFM) & 1x(9cm) Fans(51CFM)
- **Indicators:** LEDs for Power ON/OFF
- **Switch:** Power ON/OFF, System Reset
- **Dimensions(WxHxD):**483x133x296.2mm(19"x5.2"x11.7")
- **Cuft:**2.5
- **GW:** 12.4kgs / 27.3 lbs
- **Carton Size(cm):** 593x445x269(23.4"x17.5"x10.6")
- **Product Applications:** High end Firewall , VPN ,IDS ,Traffic Management, Telecom

### Dimension





# GHC-C04

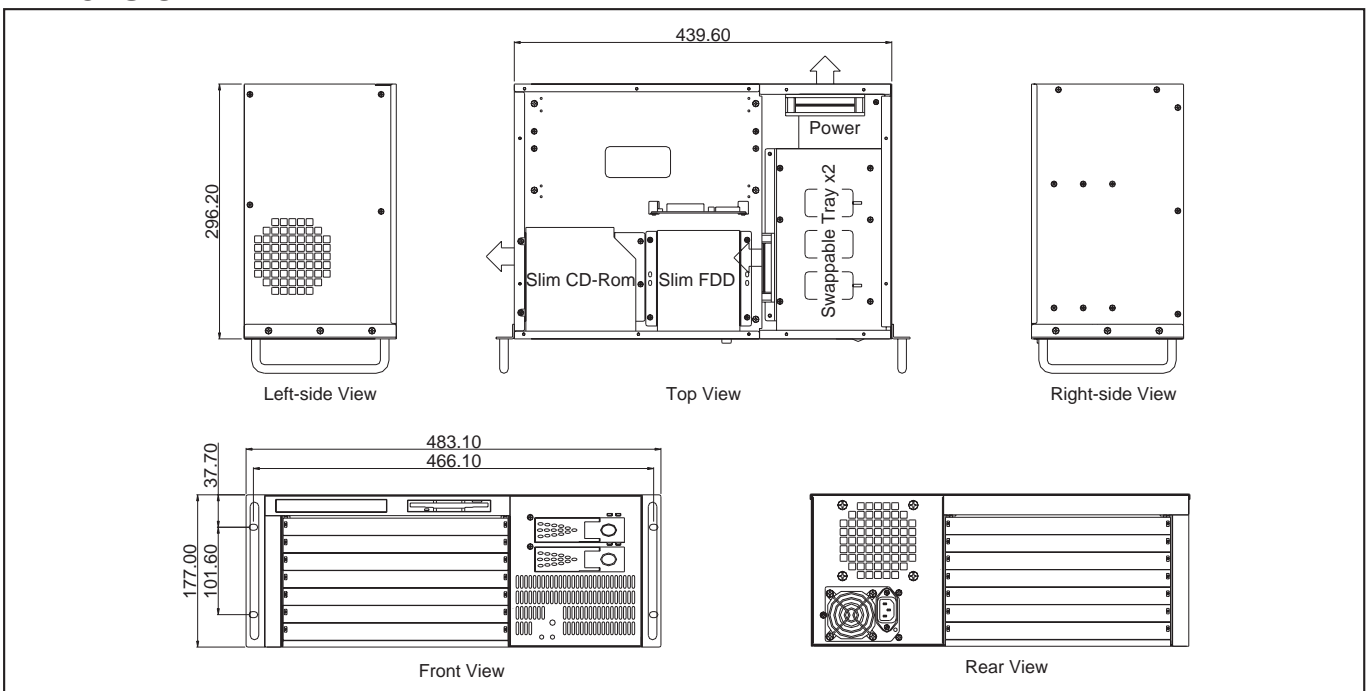
## 4U Compact PCI



### Specifications

- **EIA RS-310C 19" Rack-mount Standard**
- **Construction:** Rittal System & Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **Support:** 5-slot 32/64 bit 6U cPCI H.110 Bus Backplane
- **Drive Capacity:** 1xSlim CD-ROM & 1xSlim FDD & 2x3.5" Swappable Trays
- **Power Supply(Optional):** 2U Single 300W~320W ATX P/S
- **Cooling:** 1x(8cm) Fans(42.5CFM) & 2x(9cm) Fans(51CFM ea.)
- **Indicators:** LEDs for Power ON/OFF
- **Switch:** Power ON/OFF, System Reset
- **Drive Capacity:** 483x177x296mm(19"x7.0"x11.7")
- **Cuft:** 2.9
- **GW:** 14.7kgs / 32.4 lbs
- **Carton Size(cm):** 593x445x314(23.4"x17.5"x12.4")
- **Product Applications:** High end Firewall , VPN ,IDS ,Traffic Management, Telecom

### Dimension



# GHC-P03

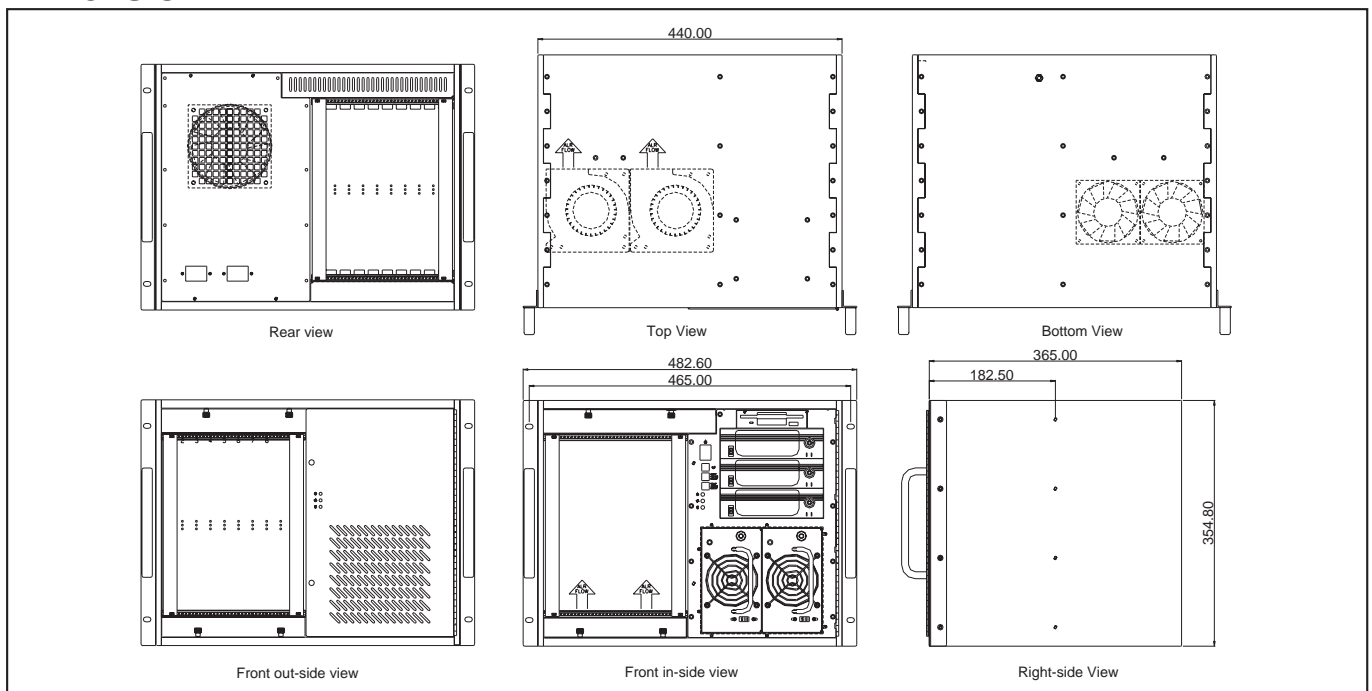
8U Compact PCI



## Specifications

- **EIA RS-310C 19" Rack-mount Standard**
- **Construction:** Rittal System & Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **Support:** 9-slot High Density Server 6U cPCI Backplane
- **Drive Capacity:** 3x5.25" & 1x3.5"
- **Power Supply(Optional):** PS/2 Size Single 300~460W or Redundant 300~430W P/S
- **Cooling:** 2x(12cm) Blower(32.5CFM ea.) & 2x(9cm) Fans(51CFM ea.) & 1x(12cm) Fan(90CFM) with Removable Air Filter
- **Thermal Management Card Installed**
- **Indicators:** LEDs for Power ON/OFF
- **Switch:** Power ON/OFF, System Reset, Buzzer Reset
- **Dimensions (WxHxD):** 483x355x365mm(19"x14.0"x14.4")
- **Cuft:** 6.6
- **GW:** 21.0kgs / 46.3lbs
- **Carton Size(cm):** 63.5x50.2x28.5(25.0"x19.8"x23.0")

## Dimension



# OEM PROJECTS



ETS



## Compact PCI





# GHR-219

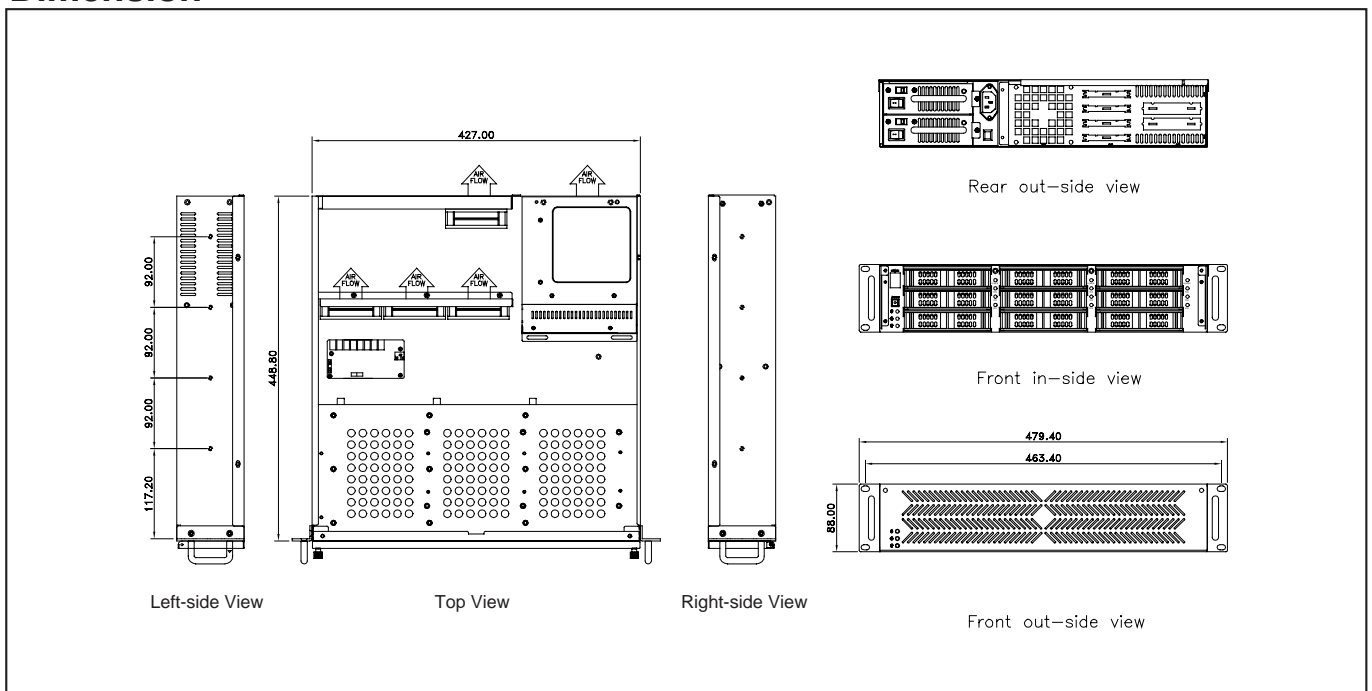
## 2U Rackmount Storage Chassis



### Specifications

- EIA RS-310C 19" Rackmount Standard
- Construction: Heavy Duty Cold Rolled Electroplated Steel
- Color: Black (Standard), Beige or Custom
- Drive Interface: SCSI 320
- Drive Capacity: 9xHot Swappable SCSI Trays
- Power Supply(Optional): PS/2 Size Single 250~400W P/S or Redundant 300~400W P/S
- Cooling: 4x(8cm) Fans(42.5CFM ea.)
- Thermal Management Card Installed
- Indicators: LEDs for Power ON/OFF, HDD Activity, Fan, Temperature
- Switch: Power ON/OFF, System Reset
- Dimensions(WxHxD): 483x88x450mm(19"x3.5"x17.7")
- Cuft: 3.3
- GW: 14kgs / 30.9lbs
- Carton Size(cm): 63.3x24.8x59(24.9"x9.8"x23.2")

### Dimension



# GHR-420

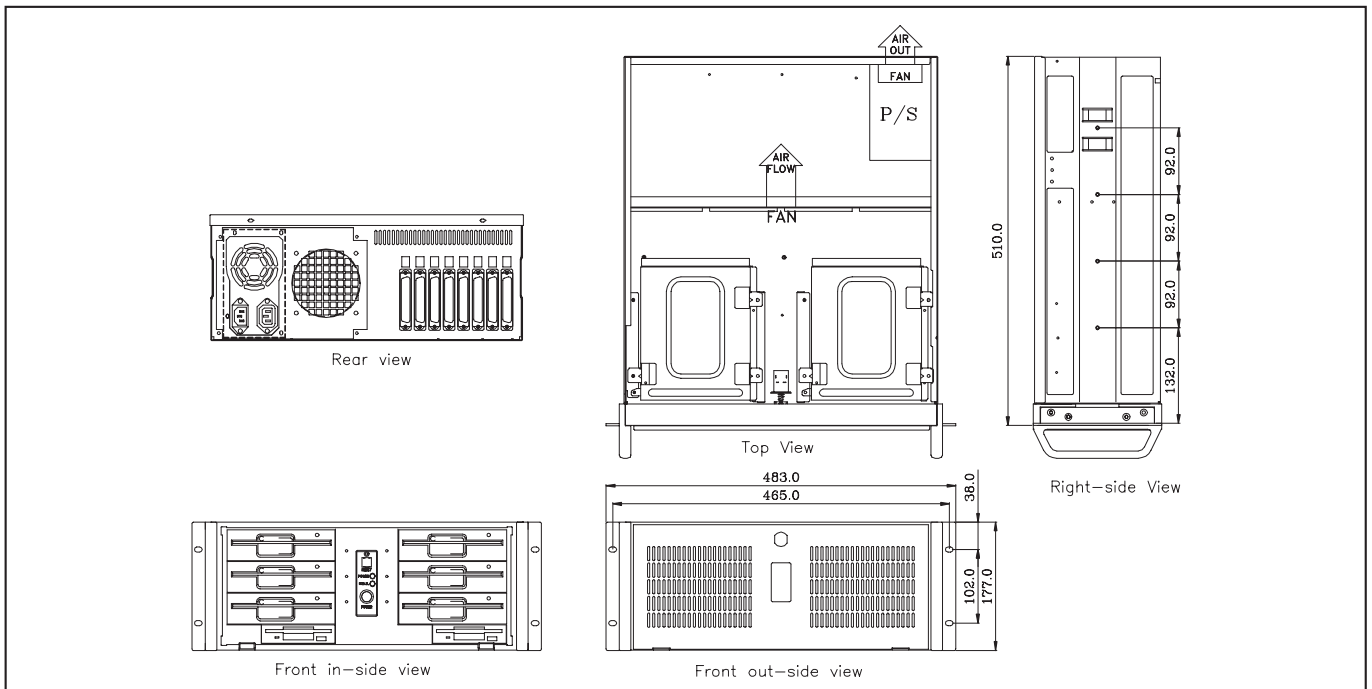
## 4U Rackmount Storage Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **Drive Capacity:** 6x5.25" & 2x3.5"
- **Power Supply(Optional):** PS/2 Size Single 250~400W P/S or Redundant 300~400W P/S
- **Cooling:** 4x(9cm) Fans(51CFM ea.)
- **Front Door:** Single Door With Keylock
- **Air Filter:** Inside Front Door (Washable)
- **Indicators:** LEDs for Power ON/OFF, HDD Activity
- **Switch:** Power ON/OFF, System Reset
- **Dimensions(WxHxD):** 483x177x510mm(19"x7.0"x20.1")
- **Cuft:** 4.9
- **GW:** 18kgs / 39.7lbs
- **Carton Size(cm):** 59.1x34x68.8(23.3"x13.4"x27.1")

### Dimension





# GHR-421

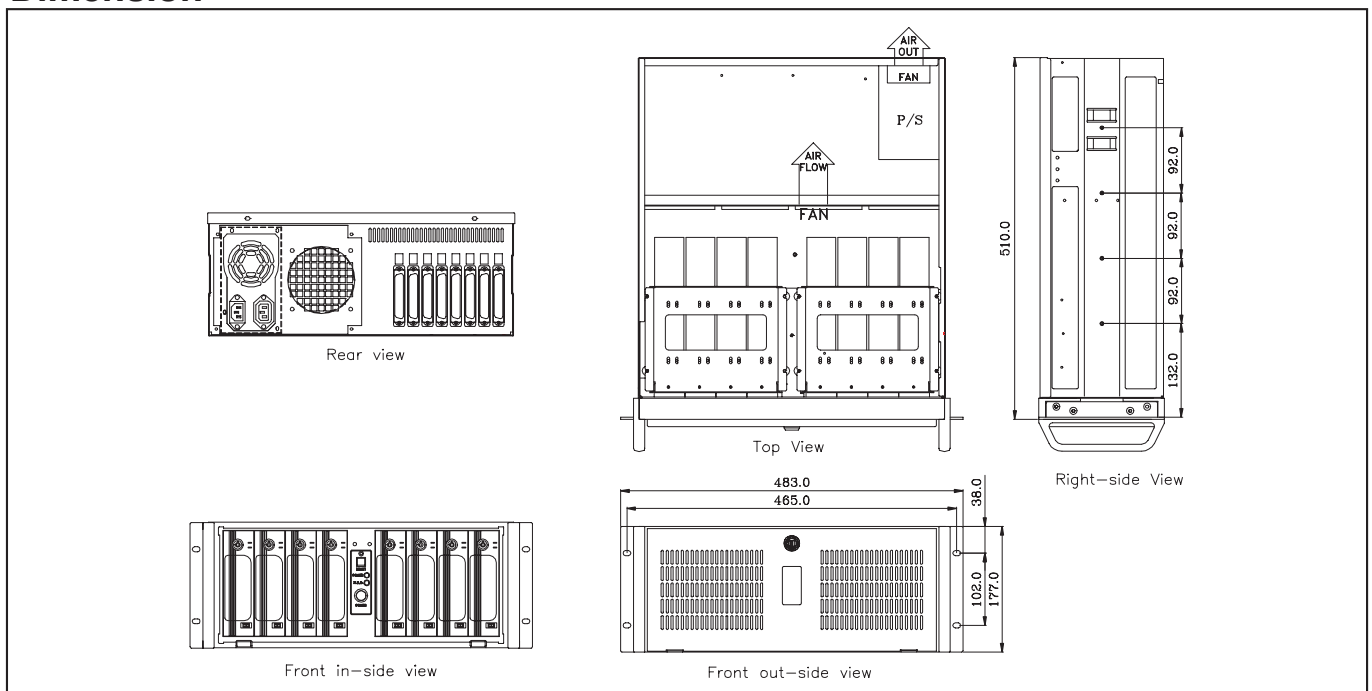
## 4U Rackmount Storage Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom"
- **Drive Capacity:** 8x5.25"(Vertical)
- **Power Supply(Optional):** PS/2 Size Single 250~400W P/S or Redundant 300~400W P/S
- **Cooling:** 4x(9cm) Fans(51CFM ea.)
- **Front Door:** Single Door With Keylock
- **Air Filter:** Inside Front Door (Washable)
- **Indicators:** LEDs for Power ON/OFF, HDD Activity
- **Switch:** Power ON/OFF, System Reset
- **Dimensions(WxHxD):** 483x177x510mm(19"x7.0"x20.1")
- **Cuft:** 4.9
- **GW:** 18kgs / 39.7lbs
- **Carton Size(cm):** 59.1x34x68.8(23.3"x13.4"x27.1")

### Dimension



# GHR-422

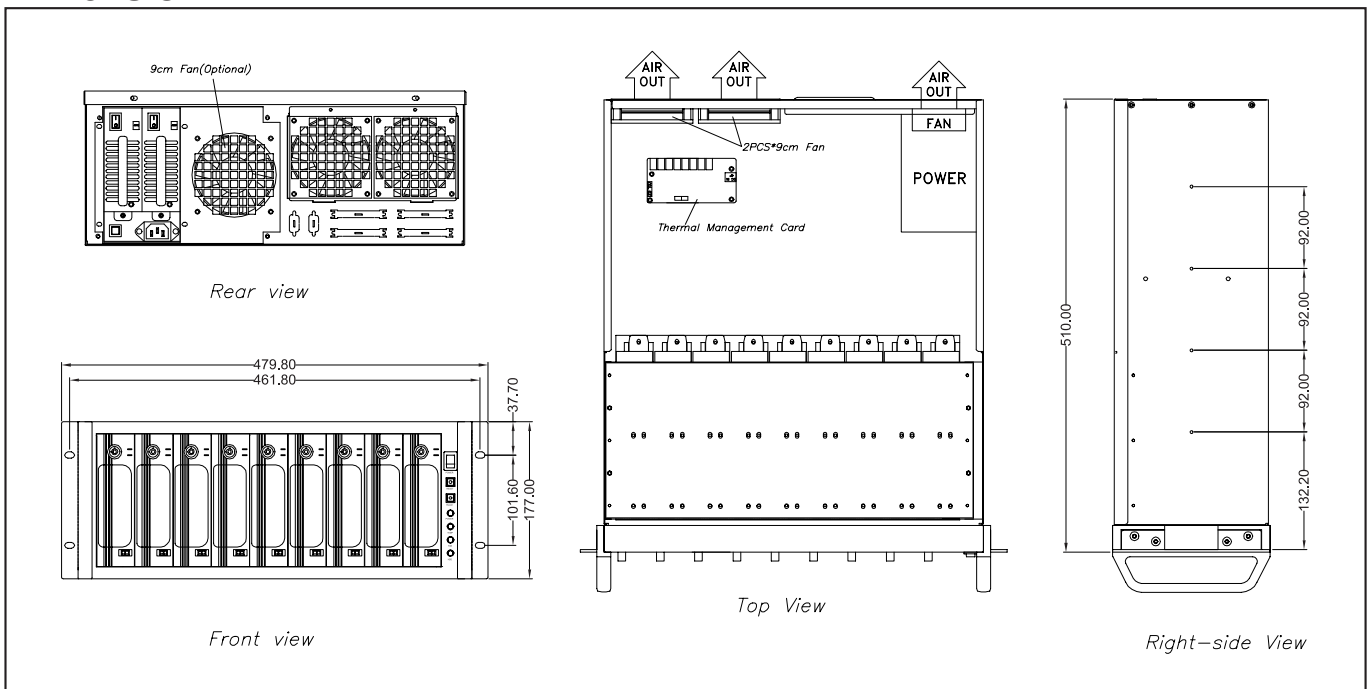
## 4U Rackmount Storage Chassis



### Specifications

- **EIA RS-310C 19" Rackmount Standard**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **Drive Capacity:** 9x5.25"(Vertical)
- **Power Supply(Optional):** PS/2 Size Single 230~460W P/S or Redundant 300~400W P/S
- **Cooling:** 2x(9cm) Fans(51CFM ea.) & 1x(9cm) Fan(51CFM ea.)(Optional)
- **Thermal Management Card Installed**
- **Indicators:** LEDs for Power ON/OFF, HDD Activity, Fan, Temperature
- **Switch:** Power ON/OFF, System Reset, Buzzer Reset
- **Dimensions(WxHxD):** 483x177x510mm(19"x7.0"x20.1")
- **Cuft:** 4.9
- **GW:** 24.3kgs / 53.6lbs
- **Carton Size(cm):** 59.1x34x68.8(23.3"x13.4"x27.1")

### Dimension



# GHR-2104

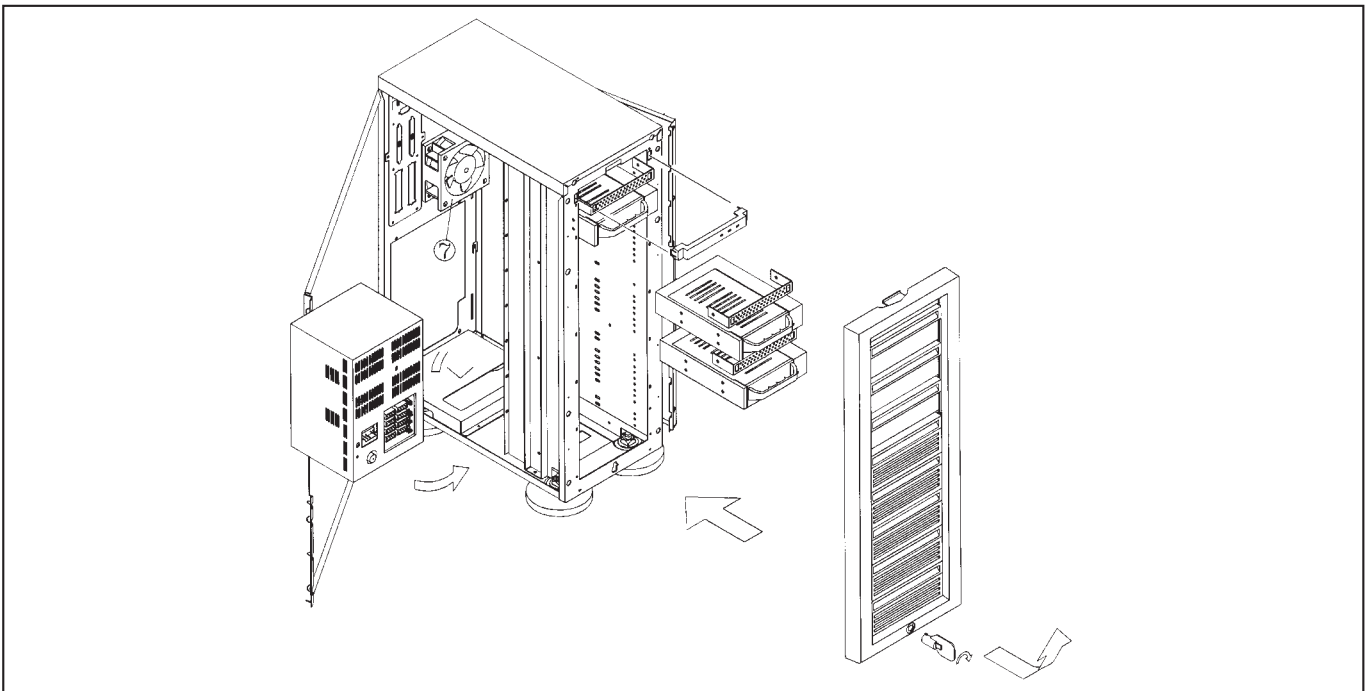
## Disk Array Chassis



### Specifications

- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Beige (Standard), Black or Custom
- **Drive Capacity:** 12x5.25"
- **Power Supply(Optional):** Redundant 300~400W P/S
- **Cooling:** 2x(9cm) Fans(51CFM ea.)  
Redundant 230~300W P/S
- **Indicators:** LEDs for Power, HDD Activity
- **Switch:** Power ON/OFF, System Reset
- **Four Adjustable Circular Footings**
- **Dimensions(WxHxD):** 200x608x435mm(7.9"x24.0"x17.1")
- **Cuft:** 4.5
- **GW:** 17.5kgs / 38.6lbs
- **Carton Size(cm):** 32.5x70.5x55.4(12.8"x27.8"x21.8")

### Dimension



# GHK-431/541

## Hot-Swappable Disk Array



### Specifications

- **Mounted into a 3x 5.2" Drive Space**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **Drive Capacity:** 4x 3.5" Hot Swappable Drive Trays
- **Drive Interface:** SATA, SCSI320
- **Powered by 4pin Connector from the P/S**
- **Cooling:** 2x (60mm) Internal Blower Fans
- **Indicators:** LEDs for Power ON/OFF, Individual HDD Activity
- **Dimensions (W x H x D):** 146 x 128 x 187mm (5.8" x 5.0" x 7.4")
- **Cuft:** 0.7
- **GW:** 5.5kgs / 12.1lbs
- **Carton Size(cm):** 26 x 24 x 31 (10.3" x 9.5" x 12.2")
- **Humidity:** 5% - 95% Non-condensing



### Specifications

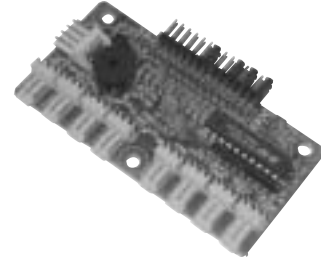
- **Mounted into a 4x 5.25" Drive Space**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Black (Standard), Beige or Custom
- **Drive Capacity:** 5x 3.5" Hot Swappable Drive Trays
- **Drive Interface:** SATA, SCSI320
- **Powered by 4pin Connector from the P/S**
- **Cooling:** 2x (60mm) Internal Blower Fans
- **Indicators:** LEDs for Power ON/OFF, Individual HDD Activity
- **Dimensions (W x H x D):** 146 x 171.5 x 187mm (5.8" x 6.8" x 7.4")
- **Cuft:** 0.8
- **GW:** 6kgs / 13.2lbs
- **Carton Size(cm):** 26 x 28 x 31 (10.3" x 11" x 12.2")
- **Humidity:** 5% - 95% Non-condensing

# Accessories



## GHA-C001

- Two Sets of Temperature Sensor
- Three Level Temperature Setting(40°C, 50°C, 60°C)
- Front Panel LEDs System Status Display
- External Alarm Connector And Internal Buzzer
- 2-Pin Fan Failure Detect and Control



## GHA-C004

- Two Sets of Temperature Sensor
- Three Level Temperature Setting(40°C, 50°C, 60°C)
- Front Panel LEDs System Status Display
- External Alarm Connector And Internal Buzzer
- 3-Pin Fan Failure Detect and Control



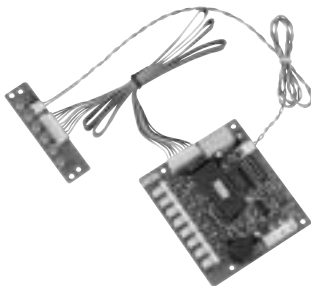
## GHA-C002

- Two Sets of Temperature Sensor
- Three Level Temperature Setting(40°C, 50°C, 60°C)
- Front Panel LEDs System Status Display
- External Alarm Connector And Internal Buzzer
- 3-Pin Fan Failure Detect and Control



## GHA-C005

- Four Set of Temperature and Fan Dip Switch Setting and Connectors for Temperature Control
- LEDs System Status Display(Normal-Green,Abnormal-Red)
- 2 - Pin Fan Connectors for Fan Detect and Status Display
- 3 - Pin Temperature Connectors for Temperature Detect
- Three Connectors (CN) for DC Input, Power and HDD LED Input Respectively
- Four Temperature Limit Adjust Connectors/Settings



## GHA-C003

- Two Sets of Temperature Sensor
- Three Level Temperature Setting(40°C, 50°C, 60°C)
- Front Panel LEDs System Status Display
- External Alarm Connector And Internal Buzzer
- 3-Pin Fan Failure Detect and Control



## GHA-BRM1

- B04, B08 Rackmount Application



# Accessories



## GHA-SL20-1U/ SL24-1U

- Zinc Plated
- Mounting by Screw Application in General Frame
- Heavy Duty Metal Slide Rail
- GHA-SL20-1U: 20" Slide Rail for 19" 1U Chassis
- GHA-SL24-1U: 24" Slide Rail for 19" 1U Chassis



## GHA-SL20/ SL26

- Zinc Plated
- Mounting by Screw Application in General Frame
- Heavy Duty Metal Slide Rail
- GHA-SL20: 20" Slide Rail for 19" Chassis
- GHA-SL24: 24" Slide Rail for 19" Chassis
- GHA-SL26: 20" Slide Rail for 19" Chassis



## RL-CC1001-99-0104/CC3001-00-0240/CC3001-00-0260

- Mounting by Screw Application in General Frame
- Heavy Duty Metal Slide Rail
- RL-CC1001-99-0104: 30" Full Extension Slide Rail for 19" Chassis(Supports up to 175 lbs)
- RL-CC3001-00-0240: 24" Slide Rail for 19" Chassis
- RL-CC3001-00-0260: 26" Slide Rail for 19" Chassis



## GHA-H199

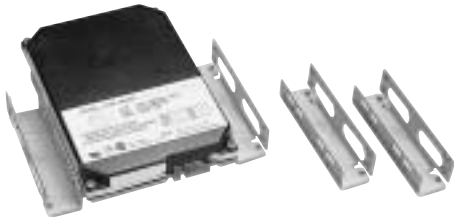
- "L" shape Bracket for 3.5" Drive



## GHA-H211

- Holder Bracket for 3x3.5" Drives

# Accessories



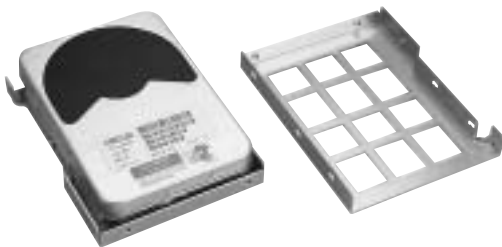
## GHA-H300

- Holder Bracket for 3.5" Drive



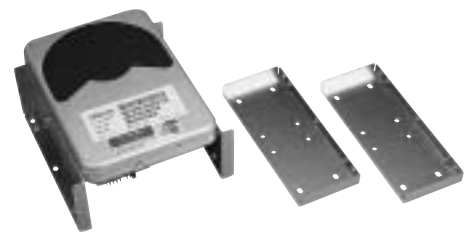
## GHA-H414

- Holder Bracket for 3.5" Drive



## GHA-H431

- "L" Shape Bracket for 3.5" Drive



## GHA-H432

- "L" Shape Bracket for 2x3.5" Drive



## GHA-H280

- Holder Bracket for GHI-280/281/282/283 Extra Drive



## GHA-H380

- Holder Bracket for GHI-380/381 Extra 1 or 2x3.5" Drives

# Accessories



## GHA-H480

- Holder Bracket for CHI-480/481 Extra 2x3.5" Drives



## GHA-1520

- GHS-1500, GHS-2000 Rackmount Tray



## GHA-4HL

- Handle with "L" shape Bracket for 4U Rackmount Chassis



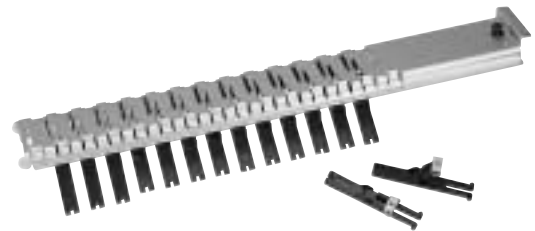
## GHA-4UL

- "L" Shape Bracket for 4U Rackmount Chassis



## GHA-4UH

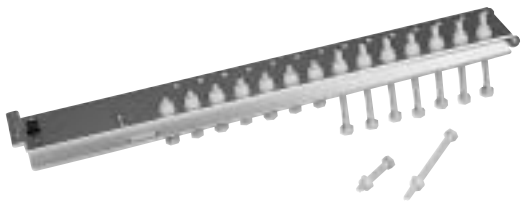
- Chromium-Plated Handle for 4U Chassis



## GHA-TE01

- Adjustable Trigger Type Hold Down Bar

# Accessories



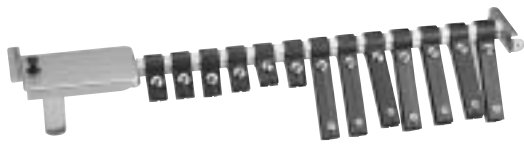
## GHA-YT01

- Adjustable Screw Type Hold Down Bar



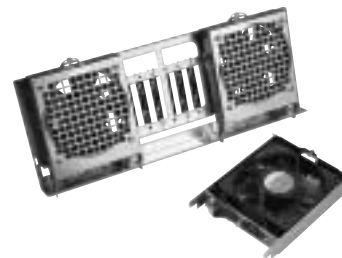
## GHA-410

- Adjustable 2 Section Type Hold Down Bar



## GHA-418

- Adjustable Flipper Type Hold Down Bar



## GHA-F123

- Hot-Swappable Ball Bearing Fan Set
- 3x(12cm) DC Fans, 90CFM ea.
- 5U Chassis Application



## GHA-F200

- Extra System Cooler
- 12V DC Blower, 32CFM
- Dimension: 108x90x27mm



## GHA-F418

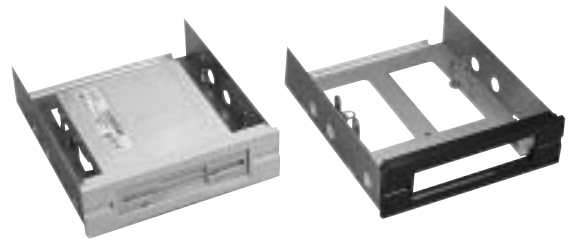
- Auxiliary Cooler for GH-418 Model
- 3 Sets of 12V DC Blower, 32CFM ea.
- Dimension: 108x306x28mm

# Accessories



## GHA-F520

- Auxiliary Cooler for GH-5U
- 3 Sets of 12V DC Blower, 32CFM ea.
- Dimension:108x372x28



## GHA-FM01

- Drive Adapters  
To mount any3.5" drive into any 5.25" drive bay



## GHA-FM03/FH03

- Drive Loading Enclosure
- Concise in 5.25" Drive Bay
- FM03:1xSlim CD-ROM & 1x3.5" FDD Drive Bay
- FH03:1xSlim CD-ROM & 1xSlim FDD & 1x2.5" Drive Bay



## GHA-FM04/FH04

- Drive Loading Enclosure
- Concise in 5.25" Drive Bay
- FM04:1xSlim CD-ROM & 1x3.5" FDD Drive Bay
- FH04:1xSlim CD-ROM & 1xSlim FDD & 1x2.5" Drive Bay



## GHA-FM05/FH05

- Drive Loading Enclosure
- Concise in 5.25" Drive Bay
- FH05:1xSlim CD-ROM & 1x2.5" FDD Drive Bay
- FM05:1xSlim CD-ROM & 1xSlim FDD Drive Bay



## GHA-FM06

- Drive Loading Enclosure
- Concise in 5.25" Drive Bay
- 3.5" Drive Space with IDE/SATA/SCSI 320 Backplane (Optional)

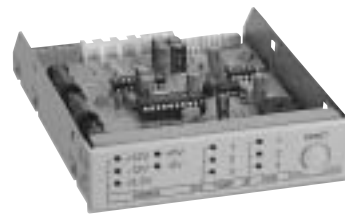


# Accessories



## GHA-FM801

- Drive Loading Enclosure
- Concise in 3.5" Drive Bay
- Support Any 3.5" Drive



## GHA-ED01X

- Power & Voltage Detect
- Fan Performance Audit
- Thermal Management Control
- Remote Warning Applicable
- Concise in 3.5" Drive Bay
- AT/ATX Interchangeable



## SDR-083

- Slim DVD-ROM With IDE Adaptor
- Support any OS system including Linux, Win2000, WinXP, Solaris.
- DVD 8X/ CD 24X, 12.7mm Drawer, DVD-Multi R, SMART-X, DFS mechanism.
- Master/ Slave adjustable (default is master).
- Only Black color available.



## SDW-082S

- Slim DVD Rewritable Drive With IDE Adaptor
- Support any OS systems including Linux, Win2000, WinXP, Solaris.
- 8X DVD+R, 4X DVD-R, 4X DVD+RW, 4X DVD-RW, 24X CD-R, 10X CD-RW.
- 8X DVD/ 24X CDR as reading speed.
- Master/ Slave adjustable (default is master).
- Only Black color available.



## GHA-SR242

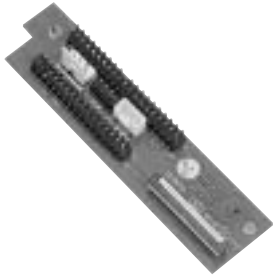
- Brand: Mitsumi
- Model: SR242(24xslim CD-ROM)



## GHA-D353

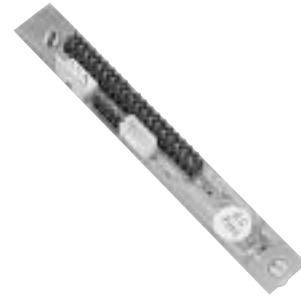
- Brand: Mitsumi
- Model: D353F3 (Slim FDD, 1.44MB, 3 Mode)

# Accessories



## GHA-K002

- Adapter For Slim CD-ROM & Slim FDD



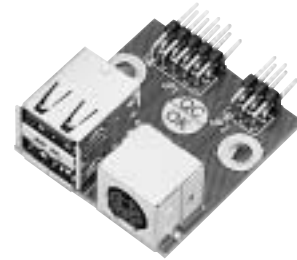
## GHA-K003

- Adapter For Slim CD-ROM



## GHA-K004

- Adapter For Slim FDD



## GHA-K005

- Adapter For USB & PS2



## GHA-K006

- Adapter For USB



## GHA-181WV2

- Special Design for High Performance Intel Server Board Model No:7500WV2
- for 1U Chassis

# Accessories



## GHA-280WV2

- Special Design for High Performance Intel Server Board Model No:7500WV2
- for 2U Chassis



## GHA-BW205

- for 2U Chassis
- Support 2 Horizontal Expansion Slots for fitting on 5th M/B Slot



## GHA-BW206

- for 2U Chassis
- Support 2 Horizontal Expansion Slots for fitting on 6th M/B Slot



## GHA-BW256

- for 2U Chassis
- Support 2 Horizontal Expansion Slots for fitting on 5th & 6th M/B Slot



## GHA-BW305

- for 2U Chassis
- Support 3 Horizontal Expansion Slots for fitting on 5th M/B Slot



## GHA-BW306

- for 2U Chassis
- Support 3 Horizontal Expansion Slots for fitting on 6th M/B Slot

# Passive Backplane & Riser Card

Model	Riser Card				Goden Finger Interface	Chassis		
	ISA.	AGP	AGP PRO	PCI				
GHP-100				1	(32bit)	GH-188ATX		
GHP-R0101				1	(32bit)	GHI-104/105/106/110/112/113/114/130/180/181/		
GHP-R0102				1	(64bit 5.0V)	GHI-104/105/106/110/112/113/114/130/180/181/		
GHP-R0103				1	(64bit 3.3V)	GHI-104/105/106/110/112/113/114/130/180/181/		
GHP-R0110(GHP-141)				1	(32bit)	GHI-142		
GHP-R0119				1	(64bit 3.3V)	GHI-181WV2		
GHP-R0104				1	(64bit 3.3V)	GH-212ATX/231ATX/232ATX/241ATX/242ATXR/244ATXR/245ATX GHI-210/213/230/252H/280/280WV2/281/281WV2/282/283/283WV2		
GHP-200	1			2	(16&32bit)			
GHP-205				1	(32bit)			
GHP-206				1	(32bit)			
GHP-R0301				3	(32bit)			
GHP-R0302				3	(64bit 5.0V)			
GHP-R0303				3	(64bit 3.3V)			
GHP-R0304				3	(64bit 3.3V)			
GHP-R0305				3	(64bit 5.0V)			
GHP-R0308				3	(32bit)			
GHP-R0309				1	(64bit 3.3V)			
GHP-AGP01		1		2	(32bit)			
GHP-AGP02		1		2	(32bit)			
GHP-AGP03			1	2	(32bit)			
GHP-AGP04			1	2	(64bit 3.3V)			
GHP-AGP05			1	2	(64bit 5.0V)			
GHP-AGP06			1	2	(64bit 3.3V)			
GHP-AGP07			1	2	(64bit 5.0V)			
Model	Slot of Backplane				Power Connector		Chassis	
	Sys.	AGP	AGP PRO	PCI	AT			ATX
GHP-B2SD	1		1	1	X			GH-199B
GHP-G1UG1	1	1	1	1			X	GHI-100
GHP-AD3S2	1		1	2			X	GHI-100
GHP-B5SD	1	2	1	2	X			GH-288SR
GHP-B4PS1	1		1	4	X			GH-288SR
GHP-AD6S4	1	1	1	4	X		X	GHI-200/GH-288SR
GHP-B6SD	1	3	1	2	X			GH-288SR
GHP-P2UP4	1		2	4	X	X	GHI-200/GH-288SR	
GHP-2004	1	4			X	X	GHB-B04	
GHP-2204	1		2	3	X	X	GHB-B04	
GHP-2006	1	6			X	X	GHB-060	
GHP-2206	1	1	2	4	X	X	GHB-060	
GHP-2308	1	4	1	3	X		GHB-B08	
GHP-2008	1	8			X	X	GH-400S/402SR/403SR/410SR/411SR/414SR/416SR/418SR	
GHP-2208	1	3	2	4	X	X	/419SR/431SR/GHI-424/GHB-080	
GHP-2014	1	14			X	X		
GHP-2214	1	8	2	4	X	X	GH-400SR/402SR/403SR/410SR/411SR/414SR/416SR/418SR	
GHP-P14P4	1	8	2	4	X	X	/419SR/431SR/GHI424/GHS-1500/SG-4002XC	
GHP-2214D	1	2	4	8	X	X		
GHP-2020	1	20			X			
GHP-2020S	1/2/3/4	20			X			
GHP-2220	1	13	3	4	X	X	GH-430SR/432SR/520SR/620SR/820SR/GHI-611/GHS-2000	
GHP-2220G	1	6	2	12	X	X		
GHP-2220Q	4		8	12	X	X		
MBP-PCI-10-ATX	1	4	2	4	X	X	GHB-120	
MBP-206B	1	4			X		GHB-083	
MBP-PCI6R-ATX	1	2	2	3	X	X	GHB-060/062	
PCI-08P4	1	2	2	4	X	X	GHB-080/082	
101-ATX	1	10			X	X	GHB-120	
PCI-10P7-E1	1	2	2	7	X	X	GHB-120	
PCI4+ATX	1			5	X	X	GHB-042	
PCI-06P3	1	1	2	3	X	X	GHB-060/062	

# Riser Card Series



## GHP-100

Independent 32 Bit PCI Slot only for GH-188 ATX model



## GHP-R0104

Independent 64Bit 3.3V PCI Slot For 2U Rackmount Chassis



## GHP-R0101

Independent 32Bit PCI Slot For 1U Rackmount Chassis



## GHP-R0110(GHP-141)

Independent 32 Bit PCI Slot For 1U Rackmount Chassis



## GHP-R0102

Independent 64Bit 5.0V PCI Slot For 1U Rackmount Chassis



## GHP-R0119

Independent 64Bit 3.3V PCI Slot For 1U Rackmount Chassis



## GHP-R0103

Independent 64Bit 3.3V PCI Slot For 2U Rackmount Chassis



## GHP-200

2 PCI or 1\*PCI&1 ISA Expansion Slot For 2U Rackmount Chassis



# Riser Card Series



## GHP-205

Independent PCI Slot For 2U Rackmount Chassis



## GHP-R0303

3-64Bit 3.3V PCI Slot For 2U Rackmount Chassis



## GHP-206

Independent PCI Slot For 2U Rackmount Chassis



## GHP-R0304

3-Independent 64Bit 3.3V PCI Slot For 2U Rackmount Chassis



## GHP-R0301

3-32Bit PCI Slot For 2U Rackmount Chassis



## GHP-R0305

3-Independent 64Bit 5.0V PCI Slot For 2U Rackmount Chassis



## GHP-R0302

3-64Bit 5.0V PCI Slot For 2U Rackmount Chassis



## GHP-R0309

Independent 64Bit 5.0V PCI Slot For 1U Rackmount Chassis

# Riser Card Series



## GHP-R0308

3 -Independent 32Bit PCI Slot For 2U Rackmount Chassis



## GHP-AGP04

2 -Independent 64Bit 3.3V PCI Slot + 1 AGP PRO Slot For 2U Rackmount Chassis



## GHP-AGP01

2 -Independent 32Bit PCI Slot + 1 AGP Slot For 2U Rackmount Chassis



## GHP-AGP05

2 -Independent 64Bit 5.0V PCI Slot + 1 AGP PRO Slot For 2U Rackmount Chassis



## GHP-AGP02

2 -32Bit PCI Slot + 1 AGP Slot For 2U Rackmount Chassis



## GHP-AGP06

2 -64Bit 3.3V PCI Slot + 1 AGP PRO Slot For 2U Rackmount Chassis



## GHP-AGP03

2 -Independent 32Bit Slot + 1 AGP PRO Slot For 2U Rackmount Chassis



## GHP-AGP07

2 -64Bit 5.0V PCI Slot + 1 AGP PRO Slot For 2U Rackmount Chassis

# Passive Backplane



Right side



Left side

## GHP-B2SD

1xPCI & 1xPICMG CPU Slot



Right side



Left side

## GHP-G1UG1

1xISA & 1xPCI & 1xPICMG CPU Slot



Right side



Left side

## GHP-AD3S2

2xPCI & 1xPICMG CPU Slot



Right side



Left side

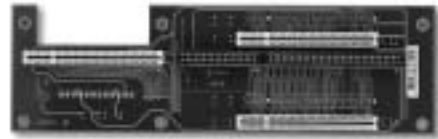
## GHP-B5SD

2xISA & 2xPCI & 1xPICMG CPU Slot

# Passive Backplane



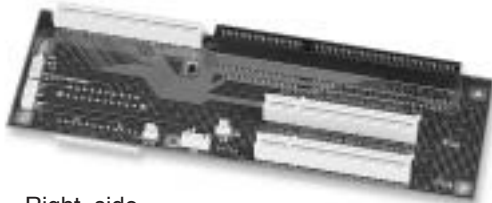
Right side



Left side

## GHP-B4PS1

4xPCI & 1xPICMG CPU Slot



Right side



Left side

## GHP-AD6S4

1xISA & 4xPCI & 1xPICMG CPU Slot



Right side



Left side

## GHP-B6SD

3xISA & 2xPCI & 1xPICMG CPU Slot



Right side



Left side

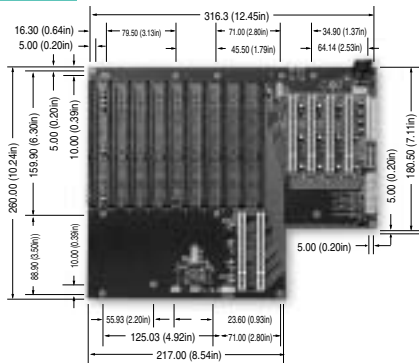
## GHP-P2UP4

4xPCI & 2xPICMG CPU Slot



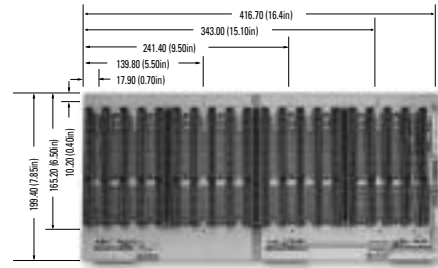


# Passive Backplane



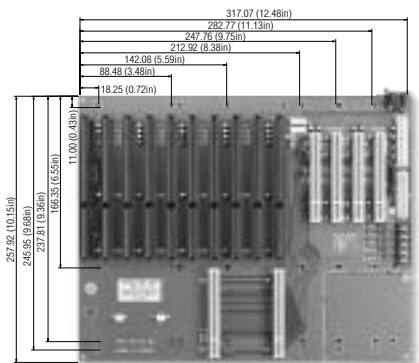
## GHP-2214

8xISA & 4xPCI & 2xPICMG CPU Slot(Single System)



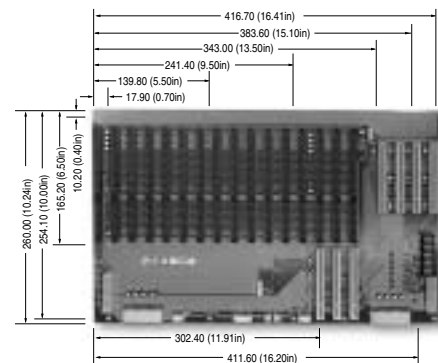
## GHP-2020S

20xISA Slot(Quad System)



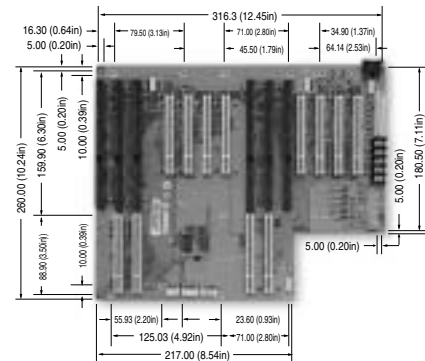
## GHP-P14P4

8xISA & 4xPCI & 2xPICMG CPU Slot(Single System)



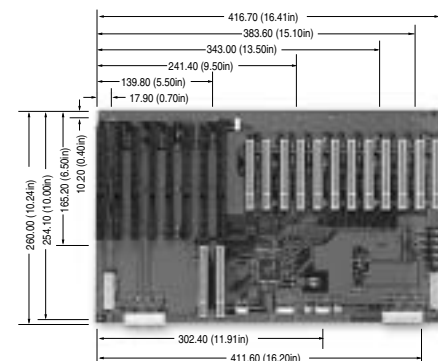
## GHP-2220

13xISA & 4xPCI & 3xPICMG CPU Slot(Single System)



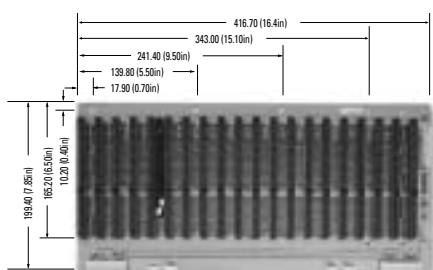
## GHP-2214D

2xISA & 8xPCI & 4xPICMG CPU Slot(Dual System)



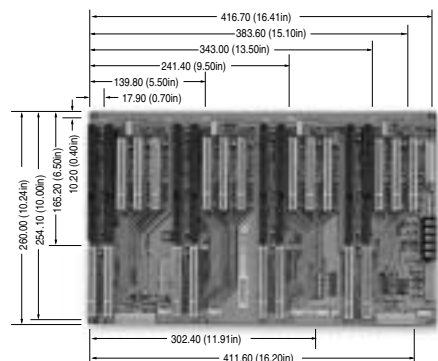
## GHP-2220G

6xISA & 12xPCI & 2xPICMG CPU Slot(Single System)



## GHP-2020

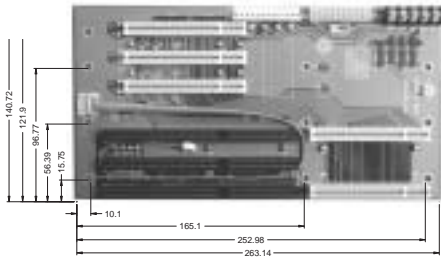
20xISA Slot



## GHP-2220Q

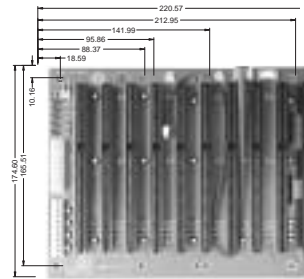
12xPCI & 8xPICMG CPU Slot(Quad System)

# Passive Backplane



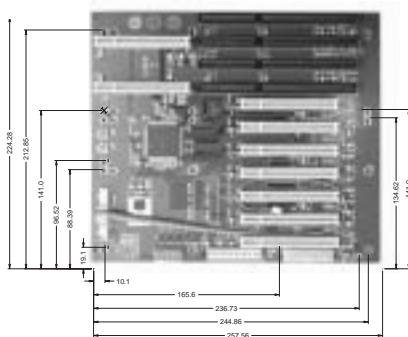
## GHP-06P3

1xISA & 3xPCI & 2xPICMG CPU Slot (Single System)



## GHP-101-ATX

10xISA Slot (Single System)



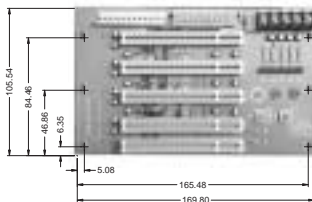
## GHP-10P7-EI

2xISA & 7xPCI & 2xPICMG CPU Slot (Single System)



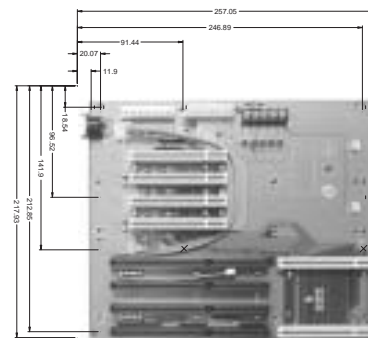
## GHP-206B-AT

6xISA Slot (Single System)



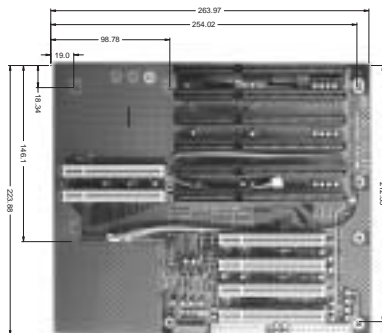
## GHP-PCI4-ATX

5xPCI Slot (Single System)



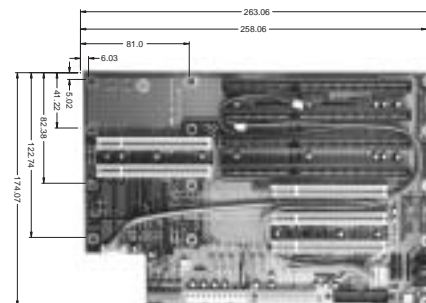
## GHP-PCI-08P4

2xISA & 4xPCI & 2xPICMG CPU Slot (Single System)



## GHP-PCI10-ATX

4xISA & 4xPCI & 2xPICMG CPU Slot (Single System)



## GHP-PCI6R-ATX

2xISA & 3xPCI & 2xPICMG CPU Slot (Single System)

# GHS-1500

## Server Case



## Specifications

- Server / RAID case or 19" Rack Mounted
- Construction: Heavy Duty Cold Rolled Electroplated Steel
- Color: Black or Custom Design
- Support ATX M/B(Max. to 12"x13")
- Support 14-slot Passive Backplane
- Drive Capacity: 15x5.25"
- Power Supply(Optional): PS/2 Size Single 250~400W P/S or Redundant 300~400W P/S or Triple Redundant 800+400W P/S
- Cooling: 5x(9cm) Fans(51CFM ea.)
- Indicators: LEDs for Power ON/OFF, HDD Activity, Fan, Temperature
- Switch: Power ON/OFF, System Reset, Buzzer Reset
- Lockable Security Access and Lockable Casters
- Dimensions(WxHxD): 410x416x710mm(16.2"x16.4"x28.0")
- Cuft: 9.3
- GW: 34kgs / 75lbs
- Carton Size(cm): 54.8x55.8x85.7(21.6"x22.0"x33.7")



## GHA-1520

- GHS-1500,GHS-2000 Rackmount Application(Optional)

# GHS-2000

## Server Case



### Specifications

- Server / RAID case or 19" Rack Mounted
- Construction: Heavy Duty Cold Rolled Electroplated Steel
- Color: Black or Custom Design
- Support ATX M/B(Max. to 16"x13")
- Support 20-slot Passive Backplane
- Drive Capacity: 23x5.25"
- Power Supply(Optional): PS/2 Size Single 250~400W P/S or Redundant 300~600W P/S or Triple Redundant 800+400W P/S
- Cooling: 8x(9cm) Fans(51CFM ea.) & 2x(12cm) Fans(108CFM ea.)
- Indicators: LEDs for Power ON/OFF, HDD Activity, Fan, Temperature
- Switch: Power ON/OFF, System Reset, Buzzer Reset
- Thermal Management Card Installed
- Lockable Security Access and Lockable Casters
- Dimensions(WxHxD): 410x600x710mm(16.2"x23.6"x28.0")
- Cuft: 12.2
- GW: 44kgs / 97lbs
- Carton Size(cm): 54.8x73.6x85.7(21.6"x29.0"x33.7")



### GHA-1520

- GHS-1500,GHS-2000 Rackmount Application(Optional)

# SG-1200

## Server Case



### Specifications

- **Pedestal Server Chassis**
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Beige (Standard), Black or Custom
- **Support:** 10 Slot Passive Backplane
- **Power Supply (Optional):** PS2 up to 700W or Mini Redundant 500W AT or ATX P/S (Rear Installation) Max. Depth 220mm
- **Cooling:** 2x (92mm) Fans
- **Extra Features:** 4 x Height Adjustable Circular Footings
- **Thermal Management Card:** GHA-CO04
- **Indicators:** LEDs for Power ON/OFF & HDD Activity
- **Switch:** Power ON/OFF Momentary (Rocker), System Reset, Buzzer Reset
- **Dimensions (W x H x D):** 210 x 608 x 650mm (8.3" x 24" x 25.6")
- **Cuft:** 8
- **GW:** 21.5kgs / 47.4lbs
- **Carton Size(cm):** 85.5 x 34.0 x 59.1(33.7" x 13.4" x 23.3")
- **Humidity:** 5% - 95% Non-condensing



# SG-4002XC

## Server Case



## Specifications

- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Beige (Standard) or Custom Design
- **Support EATX M/B(Max. to 12"x13")**
- **Support 14-slot Passive Backplane**
- **Drive Capacity:** 16x5.25"
- **Power Supply(Optional):** PS/2 Size Single 300~400W P/S or Redundant 300~400W P/S
- **Cooling:** 4x(9cm) Fans(51CFM ea.) & 4x(9cm) Fans (51CFM ea.)(Optional)
- **Indicators:** LEDs for Power ON/OFF & HDD Activity
- **Switch:** Power ON/OFF, Sleep, System Reset
- **Convenient SCSI ID Switches for Individual Drive(Optional)**
- **Multiple Sub-System Combination**
- **Link Panel:** SCSI 50/68 Pin Connector
- **Detachable Swing-Option Side Doors**
- **Lockable Security Access and Lockable Casters**
- **Dimensions(W x H x D):** 424 x 605 x 435mm (16.7" x 23.8" x 17.1")
- **Cuft:** 8.0
- **GW:** 26.5kgs / 58.3lbs
- **Carton Size(cm):** 52.4x76.1x57.0(20.6"x30.0"x22.4")



# GT-232XC/332BC

## Workstation Tower Case



### Specifications (GT-232XC)

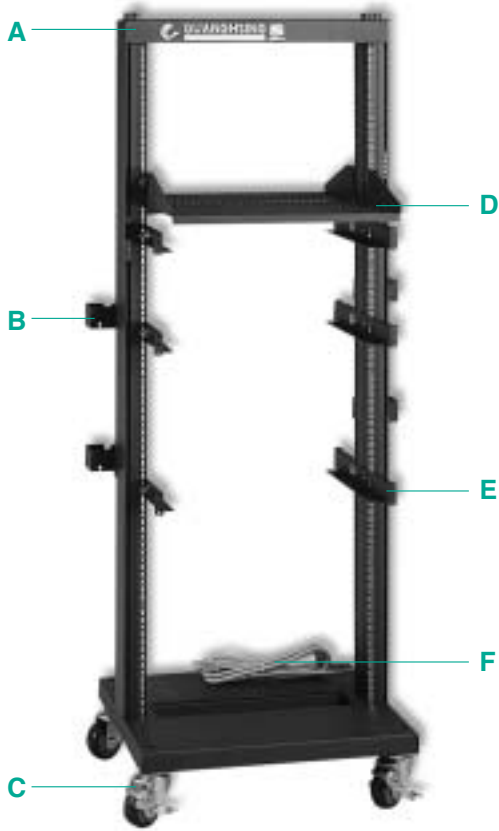
- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Beige (Standard) or Custom Design
- **Support ATX M/B(Max. to 12"x13")**
- **Drive Capacity:** 2x5.25" & 3x3.5" & 2x3.5"HDD
- **Power Supply(Optional):** PS/2 Size Single 250~400W P/S
- **Cooling:** 1x(8cm) Fan(51CFM ea.) & 1x(8cm) Fan(51CFM ea.)(Optional)
- **Indicators:** LEDs for Power ON/OFF, Sleep, HDD Activity
- **Switch:** Power ON/OFF, Sleep, System Reset
- **Four Adjustable Circular Footings**
- **Dimensions(WxHxD):** 212x455x435mm(8.4"x17.9"x17.2")
- **Cuft:** 3.5
- **GW:** 12.5kgs / 27.6lbs
- **Carton Size(cm):** 32.5x55.4x55.4(12.8"x21.8"x21.8")



### Specifications (GT-332BC)

- **Construction:** Heavy Duty Cold Rolled Electroplated Steel
- **Color:** Beige or Custom Design
- **Support ATX M/B(Max. to 12"x13")**
- **Drive Capacity:** 4x5.25" & 2x3.5" & 4x3.5"HDD
- **Power Supply(Optional):** PS/2 Size Single 250~400W P/S
- **Cooling:** 2x(9cm) Fan(51CFM) & 1x(9cm) Fan(51CFM)(Optional)
- **Indicators:** LEDs for Power ON/OFF, Sleep, HDD Activity
- **Switch:** Power ON/OFF, Sleep, System Reset
- **Four Adjustable Circular Footings**
- **Dimensions(WxHxD):** 212x605x435mm(8.3"x23.8"x17.2")
- **Cuft:** 4.5
- **GW:** 16.0kgs / 35.3lbs
- **Carton Size(cm):** 32.5x55.4x70.5(12.8"x21.8"x27.8")

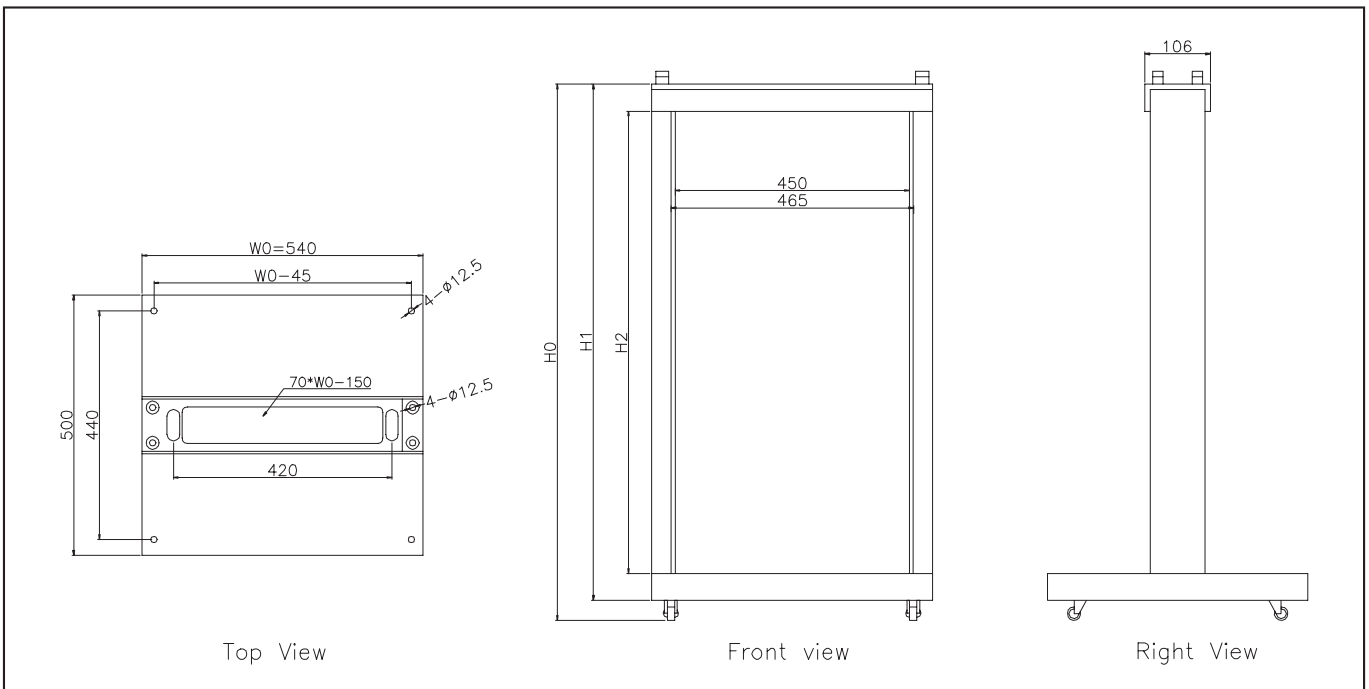
# 19" Open Rack Series



## Specifications

- **Construction:** Aluminum Alloy
- **Color:** Beige or Black
- **Meet MIL-STD-167 & MIL-STD-810E Vibration Tests**
- **Applicable ANSI/EIA RS-310-C Standards**
- **Flexible & Easy Maintenance**
- **Standard Parts:** Main Frame(A) & 4xWheel(C) & 50xMounting Screws
- **Dimensions:**  
 GHO-020: 540(W0)x1100(H0)x933(H1)x889(H2)x500(D0)mm  
 21.3"(W0)x43.3"(H0)x36.7"(H1)x35.0"(H2)x19.7"(D0)  
 GHO-035: 540(W0)x1767(H0)x1660(H1)x1556(H2)x500(D0)mm  
 21.3"(W0)x69.6"(H0)x65.4"(H1)x61.3"(H2)x19.7"(D0)

## Dimension



# 19" Open Rack Series

## Optional Auxiliary Parts in Application

B



### Cable Holder

- Used with Open Rack and to Keep any Cable line Tidy
- Model No.: GHO-H001
- Dimensions:  
60(W)x80(H)x44(D)mm(2.4"x3.1"x1.7")

E



### Mounting Support Bracket

- 1U High Bracket to mount Chassis
- Model No.: GHO-B400
- Dimensions: 44(H)x500(D)mm(1.7"x19.7")

F



### Multiple Socket Kit

- 8 Outlet Multiple Socket Kit, Safety Protection, Max Load:13A
- Model No.: GHO-ME01(Europe Outlet Standard)
- Model No.: GHO-MA01(USA Outlet Standard)

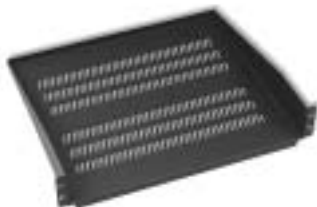
D



### Full Size Support Tray

- To mount Open Rack, 2U High, suitable for non-standard and heavy weight application, can supporting for 60kg
- Model No.: GHO-T2200
- Dimensions:  
483(W)x44(H)x500(D)mm(19"x1.7"x19.7")

D



### Half Size Support Tray

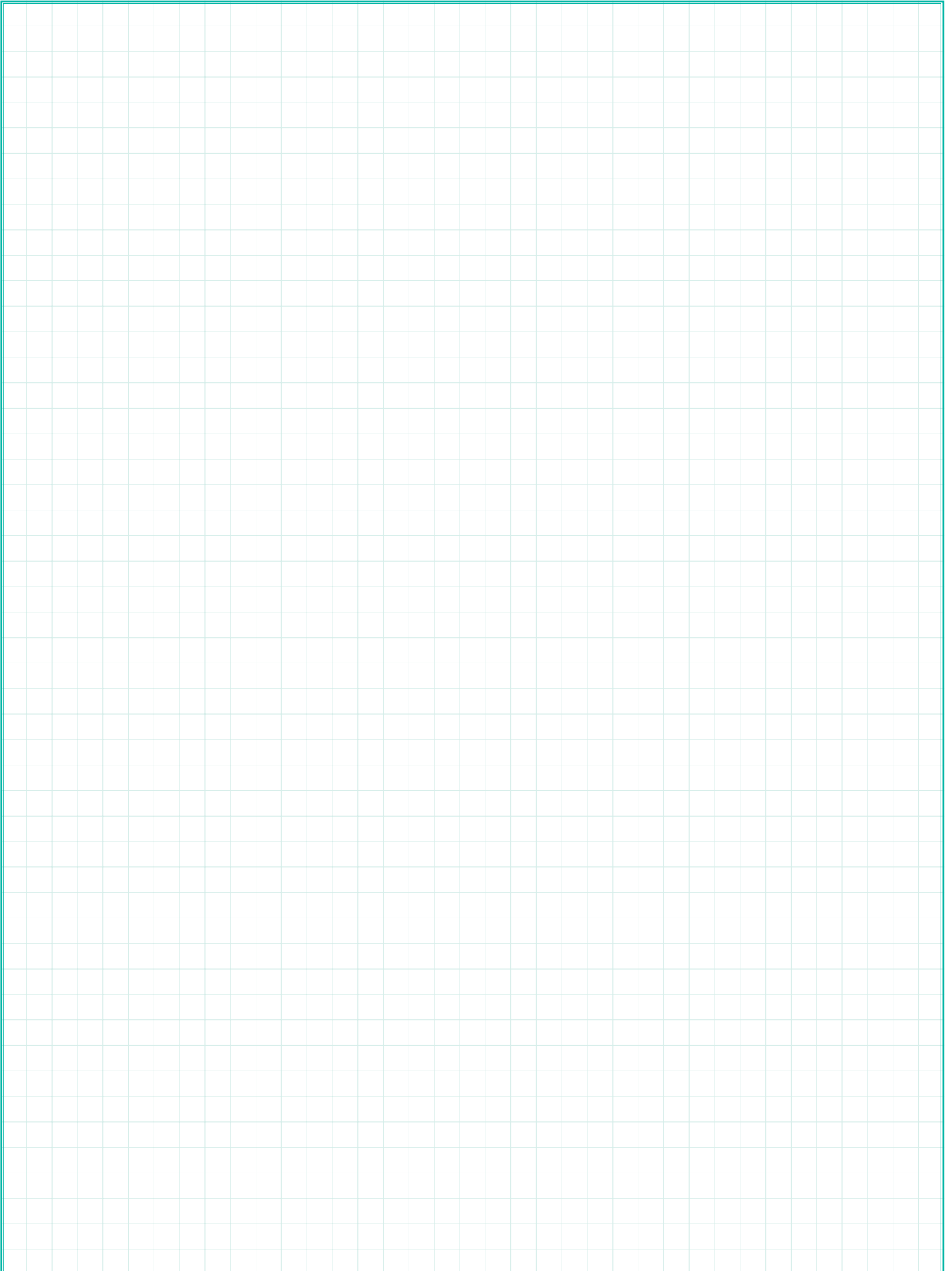
- To mount Open Rack, 2U High, suitable for non-standard and heavy weight application, can supporting for 25kg
- Model No.: GHO-T280
- Dimensions:  
483(W)x88(H)x280(D)mm(19"x3.5"x11.0")
- Model No.: GHO-T400
- Dimensions:  
483(W)x88(H)x400(D)mm(19"x3.5"x15.7")



Open Rack Application



# NOTE







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**HOME PAGE** [www.premiercomputer.de](http://www.premiercomputer.de)

**V208 MASTER BROCHURE**  
January, 2005