



SHOGUN

SG-RS310D

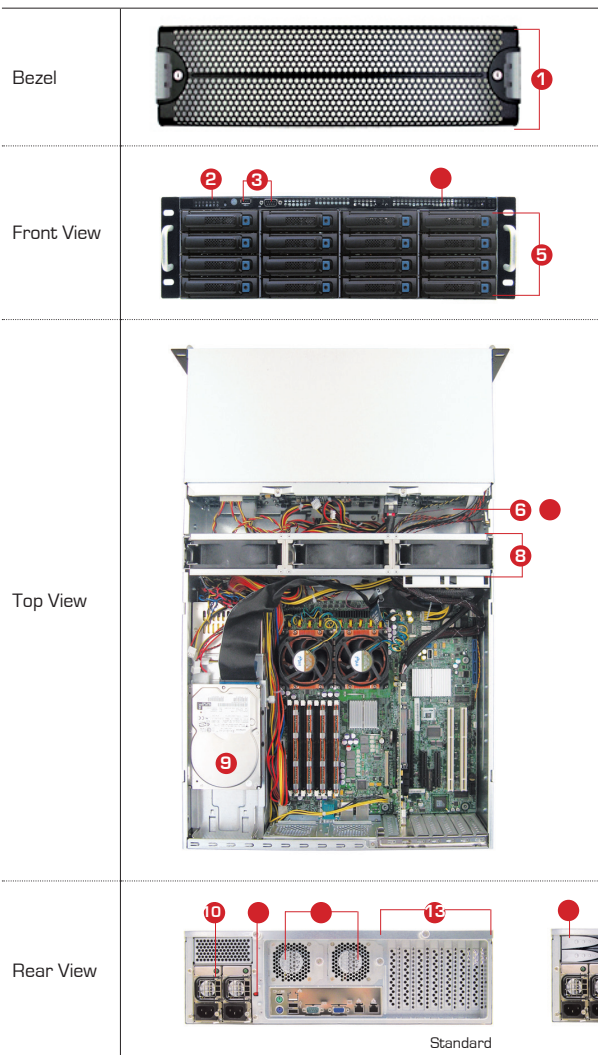
Rackmount Storage Server Chassis



DESCRIPTION

SG-RS310D is a 3U 16-bay SAS/SATA storage server chassis. This environmentally friendly solution features high-efficiency power supply, SPGC pre-plated steel with minimal paint, tool-less ball-bearing mounting rail, and hot-swappable rear OS drives option, offering a cost-effective solution ideally suited for a broad range of applications. It is also customizable to meet your requirements.

FEATURES & Benefits



Descriptions	
1	Front bezel with key lock for data security and protection
2	Power on/off, system reset and LEDs for Power, HDD & LAN
3	Front access USB port & serial console
4	One(1) external slim CD-ROM/DVD-ROM bay supported
5	Sixteen(16) external 3.5" hot-swap HDD supported Lockable drive carriers for physical drive protection
6	SAS Backplane supporting SAS and SATA disk drives (Non-expander version has CPLD-SGPIO support)
7	SAS expander: Vitesse VSC7153 24-PHY SAS 3.0 (Only available for Expander version)
8	Three(3) hot-swap middle fans for optimized cooling
9	<u>Standard:</u> One(1) internal 3.5" internal HDD supported, or <u>Optional:</u> Two(2) internal 2.5" internal HDD supported, or Two(2) 2.5" hot-swap HDD supported
10	Hot-swap redundant high efficiency (>84%) power supply (1+1 module) maximizes server protection
11	Rear access power supply alarm reset
12	<u>Optional:</u> Two(2) rear fans for additional cooling
13	Seven(7) PCI slots attribute to expansion and scalability



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SPECIFICATIONS

OS : Windows Server 2012 R2 or above	
CPU : Dual Intel® Xeon® processor E5-2600&E5-1600 v4/v3 Family	
Core/Cache :	Up to 22 Cores / Up to 55MB Cache
Memory :	8 Slot Up to 256GB ECC RDIMM (2400/2133 MHz)
	RDIMM: 32GB, 16GB, 8GB, 4GB
Memory Voltage :	1.2 V
Error Detection : Correct single-bit errors, Detects double-bit errors	
Chipset : Intel Chipset	
SATA : SATA3 (6Gbps)	
RAID : Support RAID 0, 1, 5, 6, 10, 50, 60	
Network Controllers : 2 x 10/100/1000 Mbps	
Serial Connector : 1 x DB-9, 1 x DB-15	
Materials : Heavy-duty preplated SPGC cold-rolled steel	
Finish :	Front Panel : Texture-coated
Cooling :	Middle : 3 x 120x38mm hot-swap fans
	Rear : 2 x 60x38mm or 2 x 60x25mm fans (optional)
Power Supply :	80R 1100W 1+1 hot-swap redundant 80+
Expansion : 7 x PCI 3.0 slots (full height, full length)	
Controls : Power on/off, system reset, 1 x USB and serial port	
Indicators : Power, 3 x fan, 2 x LAN and HDD LEDs	
System Board : 12"(W) x 13"(D) E-ATX/SSI EEB 3.6 compliant MB	

Drive Bay :	External	5.25"	0
		3.5"	0
		3.5" hot-swap	16
	Internal	2.5" hot-swap	2 x 2.5" hot-swap,
		3.5" HDD	1 x 3.5" internal, or
		2.5" HDD	2 x 2.5" internal

Drive Bay :	Slim CD-Rom/DVD-Rom	1
	Slim FDD	0
Temperature : 0°C(32°F) ~ 50°C(122°F)		
Humidity : 5%~95% non-condensing		
Gross Weight : 32kgs / 70.4lbs		
Packaging Dimension (W x D x H) :		mm : 600 x 940 x 300
Cubic Feet : 6		
Reference Container Loading :	20'	160
	40'	325
	40' H	390
Backplane :	BKP-SAS3-4G-R	SAS/SATA 3G 4-in-1 BP with SGPIO support
	BKP-SAS3-16EG-R	SAS 3G 16-in-1 expander BP with SES2 support
Mounting Options :	SLR-TL28G-TW-AR	



Replacement Parts	Part Numbers	Descriptions
Backplane/ Expander	BKP-SAS3-4G-R	SAS/SATA 3G 4-IN-1 BP WITH SGPIO SUPPORT
	BKP-SAS3-16EG-R	SAS 3G 16-IN-1 EXPANDER BP WITH SES2 SUPPORT
Fan	FAN-12038-3UG-MOR	120X38MM HOT-SWAP FAN WITH MODULE CIRCUIT BOARD
	FAN-6038-SU-3R	60X38MM EXHAUST FAN (OPTION)
HDD Bracket	BKT-HDD-3UG235I-R	1 X 3.5" OR 2 X 2.5" INTERNAL OS HDD BRACKET
	BKT-HDD-3UG25H-R	2 X HOT-SWAPPABLE 2.5" OS HDD KIT
Power Supply	PSU-SR800E-Z2UG-R	R2G-5800V 2U 1+1 REDUNDANT 800W POWER SUPPLY
Power Supply Module	PSM-SR800E-Z2UG-R	R2G-5800V 2U REDUNDANT POWER SUPPLY MODULE