

SuperStorage Server 6027R-E1R12T



Available Colors: Black

Key Features

1. Dual socket R (LGA 2011) supports Intel® Xeon® processor E5-2600 and E5-2600 v2 family†
2. Up to 1TB ECC DDR3, up to 1866MHz; 16x DIMM sockets
3. 1x PCI-E 3.0 x16 slot and 6x PCI-E 3.0 x8 slots
4. Intel® X540 Dual port 10GBase-T
5. 12x Hot-swap 3.5" SAS2/SATA3 Drive Bays
6. Hardware RAID via LSA 2208; RAID 0, 1, 5, 6, 10, 50, 60
7. Server remote management: IPMI 2.0 / KVM over LAN / Media over LAN
8. 3x Heavy duty PWM fans
9. 920W Redundant Power Supplies Platinum Level (94%)

Note: Image above may show a varied configuration or optional parts, Please refer to parts list for standard parts included.

Specifications

Product SKUs

SSG-6027R-E1R12T	■ SuperServer 6027R-E1R12T (Black)
------------------	------------------------------------

Motherboard

Super X9DRH-7TF

Processor/Cache

CPU	<ul style="list-style-type: none"> ■ Dual Socket R (LGA 2011) ■ Intel® Xeon® processor E5-2600 and E5-2600 v2 family† (up to 130W TDP)
Note	† BIOS version 3.0 or above is required

Cache	■ Up to 30MB
-------	--------------

System Bus	■ QPI up to 8 GT/s
------------	--------------------

System Memory

Memory Capacity	<ul style="list-style-type: none"> ■ 16x 240-pin DDR3 DIMM sockets ■ Up to 1TB DDR3 ECC LRDIMM ■ Up to 512GB DDR3 ECC Registered memory (RDIMM) ■ Up to 128GB DDR3 ECC Un-Buffered memory (UDIMM)
-----------------	---

Chassis

Form Factor	■ 2U Rackmount
Model	■ CSE-826BE16-R920LPB

Dimensions

Width	■ 17.2" (437mm)
Height	■ 3.5" (89mm)
Depth	■ 25.5" (648mm)
Gross Weight	■ 61 lbs (27.7 kg)
Available Colors	■ Black


Front Panel

Buttons	<ul style="list-style-type: none"> ■ Power On/Off button ■ System Reset button
LEDs	<ul style="list-style-type: none"> ■ Power status LED ■ Hard drive activity LED ■ 2x Network activity LEDs ■ System Overheat LED ■ Power fail LED

Expansion Slots

PCI- Express	■ 1x PCI-E 3.0 x16
--------------	--------------------

Memory Type	<ul style="list-style-type: none"> 1866/1600/1333/1066/800MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs Support ECC and non-ECC UDIMMs
DIMM Sizes	<ul style="list-style-type: none"> 32GB, 16GB, 8GB, 4GB, 2GB, 1GB
Memory Voltage	<ul style="list-style-type: none"> 1.5 V, 1.35 V
Error Detection	<ul style="list-style-type: none"> Corrects single-bit errors Detects double-bit errors (using ECC memory)
On-Board Devices	
Chipset	<ul style="list-style-type: none"> Intel® C602 Chipset
AHCI SATA	<ul style="list-style-type: none"> SATA 2.0 3Gbps with RAID 0, 1, 5, 10 SATA 3.0 6Gbps with RAID 0, 1
SCU SATA	<ul style="list-style-type: none"> SATA 2.0 3Gbps with RAID 0, 1, 10
SAS	<ul style="list-style-type: none"> SAS2 from LSI 2208 HW RAID 0, 1, 5, 6, 10, 50, 60 support
IPMI	<ul style="list-style-type: none"> Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support Nuvoton WPCM450 BMC
Network Controllers	<ul style="list-style-type: none"> Intel® X540 Dual Port 10GBase-T Virtual Machine Device Queues reduce I/O overhead Supports 10GBase-T, 100BASE-TX, and 1000BASE-T, RJ45 output 1x Realtek RTL8201N PHY (dedicated IPMI)
Graphics	<ul style="list-style-type: none"> Matrox G200eW
Input / Output	
AHCI SATA	<ul style="list-style-type: none"> 2x SATA 3.0 ports (6Gbps) 4x SATA 2.0 ports (3Gbps)
SCU SATA	<ul style="list-style-type: none"> 4x SATA 2.0 ports (3Gbps)
SAS	<ul style="list-style-type: none"> 8x SAS2 ports (6Gbps)
LAN	<ul style="list-style-type: none"> 2x RJ45 10GBase-T ports 1x RJ45 Dedicated IPMI LAN port
USB	<ul style="list-style-type: none"> 7x USB 2.0 ports total (4 rear + 2 via header + 1 Type A)
VGA	<ul style="list-style-type: none"> 1x VGA port
Serial Port / Header	<ul style="list-style-type: none"> 1x Fast UART 16550 port / 1 Header

	<ul style="list-style-type: none"> 6x PCI-E 3.0 x8
Drive Bays	
Hot-swap	<ul style="list-style-type: none"> 12x Hot-swap 3.5" SAS / SATA HDD trays
Optional OS Drive	<ul style="list-style-type: none"> 2x Rear Hot-swap 2.5" Drive Bays
Backplane	
SAS2 / SATA3 backplane	
System Cooling	
Fans	<ul style="list-style-type: none"> 3x 8cm 9.5K RPM, 4-pin PWM fans
Power Supply with Power Distributor	
920W high-efficiency (94%+) AC-DC Redundant power supplies with PMBus and I2C	
AC Input	<ul style="list-style-type: none"> 100-240 V, 50-60 Hz, 11-4.5 Amp
DC Output	<ul style="list-style-type: none"> 4 Amp @ +5V standby 75 Amp @ +12V
Certification	  Platinum Certified [Test Report]
System BIOS	
BIOS Type	<ul style="list-style-type: none"> 128Mb SPI Flash EEPROM with AMI BIOS
BIOS Features	<ul style="list-style-type: none"> Plug and Play (PnP) APM 1.2 PCI 2.2 ACPI 1.0 / 2.0 USB Keyboard support SMBIOS 2.3 UEFI
Operating Environment / Compliance	
RoHS	<ul style="list-style-type: none"> RoHS Compliant
Environmental Spec.	<ul style="list-style-type: none"> Operating Temperature: 10°C to 35°C (50°F to 95°F) Non-operating Temperature: -40°C to 70°C (-40°F to 158°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (non-condensing)

Parts List

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X9DRH-7TF	1	Super X9DRH-7TF Motherboard
	CSE-826BE16-R920LPB	1	2U Chassis
Backplane	BPN-SAS2-826EL1	1	826 backplane with single LSI SAS2X28 expander chip
Cable 1	CBL-0108L-02	1	IPASS TO IPASS 39CM PBF
CD	CDR-X9	1	Driver CD for X9 series
Heatsink / Retention	SNK-P0048AP4	1	2U Active CPU HS for Socket R, B2, and Socket C32 Servers
Heatsink / Retention	SNK-P0048PS	1	2U Passive CPU Heat Sink for X9 Generation Motherboards w/ Narrow ILM
Power Supply	PWS-920P-SQ	2	920W 1U Redundant PWS W/ Quiet Mode
Drive Tray(s)	MCP-220-00075-0B	12	Black 3.5" HDD tray

Optional Parts List

	Part Number	Qty	Description
Rear Window	MCP-220-82609-0N	1	Rear hot-swap drive bay for 2x 2.5" drives
BBU (Battery Backup Unit)	BTR-0022L-LSI00279	1	LSI00279 IBBU09 BATTERY BKUP FOR SAS2208
Mounting Kit	MCP-450-00001-0N	1	LSI iBBU09 extension kit (to installed at 2.5" HDD location)