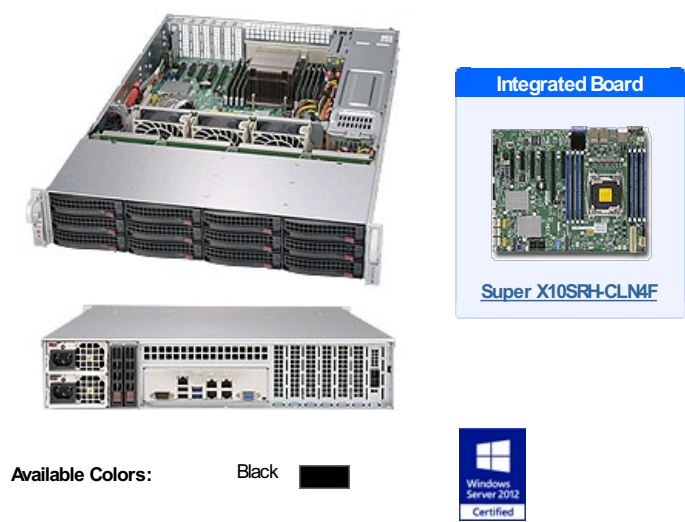




Products ▶ Systems ▶ 2U ▶ [ 5028R-E1CR12L ]



▶ Drivers & Utilities ▶ BIOS ▶ IPMI ▶ Manuals

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

### Specifications

Product SKUs	
SSG-5028R-E1CR12L	■ SuperServer 5028R-E1CR12L (Black)
Motherboard	
Super X10SRH+CLN4F	
Processor	
CPU	■ Intel® Xeon® processor E5-2600/1600 v3 family (up to 145W TDP**) ■ Single Socket R3 (LGA 2011)
Core / Cache	■ Up to 18 Cores / Up to 45MB Cache
Note	** Motherboard supports this maximum TDP. Please verify your system can thermally support.
System Memory	
Memory Capacity	■ 8x 284-pin DDR4 DIMM sockets ■ Up to 512GB DDR4 ECC LRDIMM ■ Up to 256GB DDR4 ECC RDIMM
Memory Type	■ 2133/1866/1600/1333MHz ECC DDR4 SDRAM 72-bit, 284-pin gold-plated DIMMs
DIMM Sizes	■ RDIMM: 32GB, 16GB, 8GB, 4GB
Memory Voltage	■ 1.2 V
Error Detection	■ Corrects single-bit errors ■ Detects double-bit errors (using ECC memory)
On-Board Devices	
Chipset	■ Intel C612 Express chipset
SAS	■ SAS3 (12Gbps) via LSI 3008 (IR mode) ■ SW RAID 0, 1, 10
IPMI	■ Support for Intelligent Platform Management Interface v2.0 ■ IPM 2.0 with virtual media over LAN and KVM-over-LAN support ■ ASPEED AST2400 BMC
Network Controllers	■ Intel® i350-AM4 Quad Port Gigabit Ethernet ■ Virtual Machine Device Queues reduce I/O overhead ■ Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output ■ 1x Realtek RTL8201N PHY (dedicated IPM)
Graphics	■ ASPEED AST2400 BMC
Input / Output	
SAS	■ 8x SAS3 (12Gbps) ports
SATA	■ 10x SATA3 (6Gbps) ports
LAN	■ 4x RJ45 Gigabit Ethernet LAN ports ■ 1x RJ45 Dedicated IPM LAN port
USB	■ 2x USB 3.0 ports (rear) ■ 2x USB 2.0 ports (rear)
VGA	■ 1x VGA port
Serial Port / Header	■ 1x Fast UART 16550 port / 1 Header
Chassis	
Form Factor	■ 2U Rackmount
Model	■ CSE-826BE1C-R920LFB
Dimensions	
Width	■ 17.2" (437mm)
Height	■ 3.5" (89mm)
Depth	■ 25.6" (648mm)
Weight	■ Gross Weight: 58 lbs (26.3 kg) ■ Net Weight: 34 lbs (15.4 kg)
Available Colors	■ Black
Front Panel	
Buttons	■ Power On/Off button ■ System Reset button
LEDs	■ 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 x4 (in x8) slot ■ 1x PCI-E 3.0 x8 (in x16) slot ■ 2x PCI-E 3.0 x8 slots ■ 1x PCI-E 2.0 x2 (in x4) slot ■ 1x PCI-E 2.0 x4 (in x8) slot
Drive Bays	
Hot-swap	■ 12x 3.5" Hot-swap SAS3 HDD bays
Optional	■ 2x 2.5" Hot-swap HDD bays (rear)
Backplane	
SAS3 Backplane: SAS3 12Gbps single expander backplane, w/ LSI SAS3x28 expander, support 12x 3.5" drives, with 4x mini-SAS HD connectors, 2 for uplink and another 2 for downlink	
System Cooling	
Fans	■ 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	■ 100-240 V, 50-60 Hz, 11-4.5 Amp
DC Output	■ 4 Amp @ +5V standby ■ 75 Amp @ +12V
Certification	<div><div></div><div></div><div>Platinum Certified [ Test Report ]</div></div>
System BIOS	
BIOS Type	■ 128Mb SPI Flash EEPROM with AMI BIOS
BIOS Features	■ 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	■ RoHS Compliant
Environmental Spec.	■ 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)

### Key Features

- Single socket R3 (LGA 2011) supports Intel® Xeon® processor E5-2600 v3 family; QPI up to 9.6GT/s
- Up to 512GB ECC DDR4 2133MHz; 8x DIMM sockets
- 1 PCI-E 3.0 x8 (in x16), 2 PCI-E 3.0 x8, 1 PCI-E 3.0 x8 (in x16), 1 PCI-E 2.0 x2 (in x4), 1 PCI-E 2.0 x4 (in x8)
- Intel® i350-AM4 Quad port GbE LAN
- 12x 3.5" Hot-swap SAS3 HDD bays; Opt. 2x 2.5" Hot-swap HDD bays (rear)
- SAS3 via LSI 3008 controller; IR mode
- Server remote management: IPM 2.0 / KVM over LAN / Media over LAN
- 3x 8cm high-performance PWM fans
- 920W Redundant Power Supplies  
**Platinum Level (94%)**

### Parts List

[See Parts List](#)

