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Integrated Board



Super X9SRi-F

Available Colors: Black

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Key Features

1. Single socket R (LGA 2011) supports Intel® Xeon® processor E5-2600 and **E5-2600/1600 v2** family[†]

2. Intel® C602 Chipset

3. Up to 2x 3.5" Fixed drive bays* or up to 4x 2.5" fixed drive option~; DVD option^

4. Up to 512GB ECC DDR3, up to 1866MHz; 8x DIMM sockets

5. 1x PCI-E 3.0 x16 FH expansion slot

6. Intel® i350 Dual Port Gigabit Ethernet

7. Integrated IPMI 2.0 and KVM with Dedicated LAN

8. SATA2 w/ RAID 0, 1, 10 (R5 option)

9. 350W Gold Level Power Supply

10. SATA Disk-on-module (DOM) power connector; TPM 1.2 and USB Type A

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

Specifications

Product SKUs	
SYS-5017R-MF	▪ SuperServer 5017R-MF (Black)
Motherboard	
Super X9SRi-F	
Processor/Cache	
CPU	▪ Single Socket R (LGA 2011) ▪ Intel® Xeon® processor E5-2600 and E5-2600/1600 v2 family†
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	▪ 8x 240-pin DDR3 DIMM sockets ▪ Up to 512GB DDR3 ECC LRDIMM ▪ Up to 256GB DDR3 ECC Registered memory (RDIMM) ▪ up to 64GB DDR3 ECC/non-ECC Un-Buffered memory (UDIMM)
Memory Type	▪ 1866/1600/1333/1066MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs
DIMM Sizes	▪ 32GB, 16GB, 8GB, 4GB, 2GB, 1GB
Memory Voltage	▪ 1.5 V, 1.35 V
Error Detection	▪ Corrects single-bit errors ▪ Detects double-bit errors (using ECC memory)
On-Board Devices	
Chipset	▪ Intel® C602 Chipset
SATA	▪ 2 SATA3 (6Gbps) & 4 SATA2 (3Gbps) ▪ RAID 0, 1, 5, 10 support (Windows) ▪ RAID 0, 1, 10 support (Linux)
IPMI	▪ Support for Intelligent Platform Management Interface v.2.0 ▪ IPMI 2.0 with virtual media over LAN and KVM-over-LAN support ▪ Winbond WPCM540
Network Controllers	▪ Intel® i350 Dual port GbE LAN ▪ Virtual Machine Device Queues reduce I/O overhead ▪ Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output ▪ 1x Realtek RTL8201N PHY (dedicated IPMI)
VGA	▪ Matrox G200eW 16MB DDR2 graphics controller
Super I/O	▪ Nuvoton NCT 6776F
Input / Output	
SATA	▪ 2 SATA 3.0 ports (6Gbps) ▪ 4 SATA 2.0 ports (3Gbps)
LAN	▪ 2x RJ45 LAN ports ▪ 1x RJ45 Dedicated IPMI LAN port
USB	▪ 9 USB 2.0 ports total (2 rear + 6 via headers + 1 Type A)
VGA	▪ 1x VGA port
Keyboard / Mouse	▪ PS/2 keyboard and mouse ports
Serial Port / Header	▪ 1x Fast UART 16550 serial port ▪ 1x internal header

Chassis	
Form Factor	▪ 1U Rackmount
Model	▪ CSE-512F-350B
Dimensions	
Height	▪ 1.7" (43mm)
Width	▪ 17.2" (437mm)
Depth	▪ 14.5" (369mm)
Weight	▪ Net Weight: 12.0 lbs (5.44 kg) ▪ Gross Weight: 16.5 lbs (7.48 kg)
Available Colors	▪ Black
Front Panel	
Buttons	▪ Power On/Off button ▪ System Reset button
LEDs	▪ Power LED ▪ Hard drive activity LED ▪ 2x Network activity LEDs ▪ System Overheat LED
Expansion Slots	
PCI-Express	▪ 1x PCI-E 3.0 x16 Full-height slot ▪ AOC Compatibility Matrix
Drive Bays	
Fixed	▪ Up to 2x 3.5" fixed drive bays* or up to 4x 2.5" fixed drive bay option~
System Cooling	
Fans	▪ 2x 40x56mm 4-pin PWM Cooling Fans
Power Supply	
350W AC power supply w/ PFC	
AC Voltage	▪ 100-240 V, 50-60 Hz, 4.2-1.8 Amp
+5V	▪ 18 Amp
+5V standby	▪ 3 Amp
+12V	▪ 29 Amp
+3.3V	▪ 15 Amp
Certification	 Gold Certified [Test Report]
System BIOS	
BIOS Type	▪ 8MB SPI Flash EEPROM w/ AMI BIOS
BIOS Features	▪ DMI 2.3 ▪ PCI 2.3 ▪ ACPI 1.0 / 2.0 ▪ USB Keyboard support ▪ SMBIOS 2.3
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)