

SuperServer 1018R-WC0R



Available Colors:

Black



Key Features

1. Single socket R3 (LGA 2011) supports Intel® Xeon® processor E5-2600 v3 family; QPI up to 9.6GT/s
2. Intel® C612 Express chipset
3. 8x 2.5" Hot-swap SAS3/SATA3 + 2x 2.5" Hot-swap SATA3 HDD bays
Default support 8+2 SATA3 HDD
4. Up to 512GB ECC DDR4 2133MHz LRDIMM; 8x DIMM sockets
5. 2x PCI-E 3.0 x16 FH slots and 1x PCI-E 3.0 x8 (in x16) HH slot
6. Intel® i350-AM2 Dual port GbE LAN
7. Integrated IPMI 2.0 and KVM with Dedicated LAN
8. 750W Redundant Power Supplies
Platinum Level Certified

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

Specifications

Product SKUs

- SYS-1018R-WC0R**
- SuperServer 1018R-WC0R (**Black**)

Motherboard

Super X10SRW-F

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 288-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, 288-pin (RDIMM/LRDIMM) / 284-pin (UDIMM) gold-plated DIMMs

Chassis

- Form Factor**
- 1U Rackmount

- Model**
- **CSE-116AC-R706WB**

Dimensions and Weight

- Height**
- 1.7" (43mm)
- Width**
- 17.2" (437mm)
- Depth**
- 23.5" (597mm)
- Package**
- 8" (H) x 24" (W) x 32" (D)
- Weight**
- Gross Weight: 40 lbs (18.1 kg)
 - Net Weight: 25 lbs (11.3 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**
- 2x PCI-E 3.0 x16 Full-height Full-length
 - 1x PCI-E 3.0 x8 (in x16) Half-height Half-length slot

DIMM Sizes	<ul style="list-style-type: none"> RDIMM: 32GB, 16GB, 8GB, 4GB
Memory Voltage	<ul style="list-style-type: none"> 1.2 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 C612 Express chipset
SATA	<ul style="list-style-type: none"> SATA3 (6Gbps) via C612 controller RAID 0, 1, 10 support; 5 supported under Windows
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 ASPEED AST2400 BMC with 10/100/1000Mbps
Network Controllers	<ul style="list-style-type: none"> Intel® i350-AM2 Dual Port Gigabit Ethernet Virtual Machine Device Queues reduce I/O overhead Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
VGA	<ul style="list-style-type: none"> ASPEED AST2400 BMC
Input / Output	
SATA	<ul style="list-style-type: none"> 10x SATA3 (6Gbps) ports SATA DOM Power Connector
LAN	<ul style="list-style-type: none"> 2x RJ45 Gigabit Ethernet LAN ports 1x RJ45 Dedicated IPMI LAN port
USB	<ul style="list-style-type: none"> 2x USB 3.0 ports (rear) 2x USB 2.0 ports (rear) 2x USB 3.0 ports (front)
VGA	<ul style="list-style-type: none"> 1x VGA port
Serial Port / Header	<ul style="list-style-type: none"> 2x COM ports (1 rear, 1 header)
DOM	<ul style="list-style-type: none"> 2x SuperDOM (Disk on Module) ports
PC Health Monitoring	
Voltage	<ul style="list-style-type: none"> Monitors for CPU Cores, +12V, +3.3V, +5V, +5V Standby, VBAT, HT, Memory, Chipset Voltages. 5-Phase-switching voltage regulator with auto-sense from 0.8375V-1.60V
FAN	<ul style="list-style-type: none"> 6x 4-pin fan headers 6x fans w/ tachometer status monitoring Status monitor for speed control Status monitor for on/off control Support 3-pin fans (w/o speed control) Low noise fan speed control Pulse Width Modulated (PWM) fan connectors
Temperature	<ul style="list-style-type: none"> Monitoring for CPU & chassis environment CPU thermal trip support FC temperature sensing logic Thermal Monitor 2 (TM2) support PECI
LED	<ul style="list-style-type: none"> CPU / System Overheat LED +5V Standby alert LED
Other Features	<ul style="list-style-type: none"> Chassis intrusion detection Chassis intrusion header

Drive Bays	
Hot-swap	<ul style="list-style-type: none"> 8x 2.5" Hot-swap SAS3/SATA3 HDD bays + 2x 2.5" Hot-swap SATA3 (total of 10)
Backplane	
SAS3/SATA3 HDD Backplane (SAS support requires optional SAS controller + cables)	
System Cooling	
Fans	<ul style="list-style-type: none"> 3x 40x28mm 4-pin PWM Cooling Fans 1x Optional fan to cool add-on cards
Power Supply	
700W/750W Redundant AC-DC high-efficiency power supply with PMBus and I2C	
AC Voltage	<ul style="list-style-type: none"> 700W: 100 - 140 V, 50-60 Hz 750W: 200 - 240V, 50-60 Hz
DC Output +5V standby	<ul style="list-style-type: none"> 3 Amp
DC Output +12V	<ul style="list-style-type: none"> 700W: 58 Amp @ 100-140V 750W: 62 Amp @ 200-240V
Certification	 Platinum Certified (Cert. in progress)
System BIOS	
BIOS Type	<ul style="list-style-type: none"> 64Mb SPI Flash EEPROM with AMI BIOS
BIOS Features	<ul style="list-style-type: none"> Plug and Play (PnP) APM 1.2 DMI 2.3 PCI 2.3 ACPI 1.0 / 2.0 / 3.0 / 4.0 USB Keyboard support Hardware BIOS Virus protection SMBIOS 2.7.1 UEFI 2.3.1 RTC (Real Time Clock) Wakeup
Management	
Software	<ul style="list-style-type: none"> IPMI (Intelligent Platform Management Interface) v2.0 with KVM support SuperDoctor® III Watch Dog NMI
Power Configurations	<ul style="list-style-type: none"> ACPI / ACPM Power Management Main Switch Override Mechanism Power-on mode for AC power recovery Internal/External modem ring-on
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-X10SRW-F	1	Super X10SRW-F Motherboard
	CSE-116AC-R706WB	1	1U Chassis
Backplane	BPN-SAS3-116A	1	1U SAS3 12Gbps 10x 2.5" HDD backplane for 1U Storage Chassis,RoHS/REACH,PBF
Cable 1	CBL-SAST-0508-01	0	Internal Mini-SAS to Mini-SAS HD 50cm w/ SB, 30AWG,HF,RoHS/REACH,PBF
Cable 2	CBL-SAST-0568	0	Internal Mini-SAS HD to Mini-SAS HD 35cm,30AWG,12Gb/s,HF,RoHS/REACH,PBF
Cable 3	CBL-SAST-0591	2	cross-over mini SAS HD to 4 SATA w/SB, S. 75cm. 30AWG,HF,RoHS/REACH,PBF
Cable 4	CBL-0207L	2	59CM SATA ROUND S-S PBF.26AWG
Cable 5	CBL-0157L	1	8 pin to 8 pin ribbon SGPIO cable with tube , 40cm, PBF
Cable 6	CBL-SAST-0532	0	Internal Mini-SAS HD to Mini-SAS HD 50cm,30AWG,12Gb/s,HF,RoHS/REACH,PBF
Cable 7	CBL-SAST-0590	0	Internal Mini-SAS HD to Mini-SAS HD for PCIe SSD, Internal Mini-SAS HD cablefor PCIe SSD NVMe, 12Gb/s, 70cm,30AWG
Riser Card	RSC-R1UW-2E16	1	RSC-R1UW-2E16-O-P
Riser Card	RSC-R1UW-E8R	1	RSC-R1UW-E8R-O-P
Heatsink / Retention	SNK-P0047PS	1	1U Passive CPU Heat Sink for X9, X10 Systems Equipped w/ a Narrow ILM MB
Power Supply	PWS-706P-1R	2	1U 750W redundant power width 54.5mm(Platinum),HF,RoHS/REACH,PBF

Optional Parts List			
	Part Number	Qty	Description
Add-on Card	AOC-S3008L-L8I	-	12Gbps SAS3/RAID 0, 1 and 10/ 2 internal HD connectors/STD Gen3 PCI/63 HD support/brackets
Add-on Card	AOC-S3108L-H8IR	-	SAS-3, GEN-3 RAID card. Supports 12Gb and R0,1,5,6,10,50 and 60. Includes 2GB memory/ Includes brackets