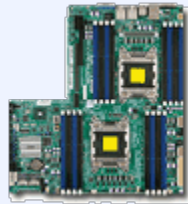


SuperServer 1027R-N3RF



Integrated Board



Super X9DRW-3F

Available Colors:

Black



Key Features

1. Intel® Xeon® processor E5-2600 family; QPI up to 8GT/s
2. Up to 512GB DDR3 1600MHz ECC Registered DIMM; 16x DIMM sockets
3. Add on card support: 2x PCI-E 3.0 x16 full-height, Half-length slots
4. Intel® i350 Dual port Gigabit Ethernet Controller; 2x LAN ports
5. 10x Hot-swap 2.5" SAS/SATA HDD bays connected to onboard storage controller
6. 700W Redundant Power Supplies Gold 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-1027R-N3RF	■ SuperServer 1027R-N3RF (Black)
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Motherboard

Super X9DRW-3F

Processor/Cache

CPU	■ Intel® Xeon® processor E5-2600 family (up to 130W TDP) ■ Dual Socket R (LGA 2011)
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Cache	■ Up to 20MB
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System Bus	■ QPI up to 8 GT/s
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System Memory

Memory Capacity	■ 16x 240-pin DDR3 DIMM sockets ■ Supports up to 512 GB DDR3 ECC Registered memory (RDIMM) ■ Supports up to 192 GB DDR3 ECC Un-Buffered memory (UDIMM)
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Memory Type	■ 1600/1333/1066/800MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs
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Chassis

Form Factor	■ 1U Rackmount
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Model	■ CSE-116TQ-R700WB
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Dimensions

Width	■ 17.2" (437mm)
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Height	■ 1.7" (43mm)
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Depth	■ 23.5" (597mm)
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Gross Weight	■ 46 lbs (20.9kg)
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Available Colors	■ Black
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Front Panel

Buttons	■ Power On/Off button ■ System Reset button ■ UID button
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LEDs	■ Power status LED ■ HDD activity LED ■ 2x Network activity LEDs ■ Universal Information (UID) LED
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8-AA Sizes	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® C606 Chipset
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
SAS	<ul style="list-style-type: none"> SAS from C606 RAID 0, 1, 10 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 Renesas SH7757 BMC
Network Controllers	<ul style="list-style-type: none"> Intel® i350 Dual Port Gigabit Ethernet Controller Virtual Machine Device Queues reduce I/O overhead Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output 1x Realtek RTL8211E PHY (dedicated IPMI)
Graphics	<ul style="list-style-type: none"> G200 (Renesas SH7757 BMC)
Input / Output	
Serial ATA	<ul style="list-style-type: none"> 2x SATA 3.0 ports (6Gbps)
SAS	<ul style="list-style-type: none"> 8x SAS ports
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"> 6x USB 2.0 ports total (4x rear + 2x via header)
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

Expansion Slots	
PCI-Express	<ul style="list-style-type: none"> 2 PCI-E 3.0 x16 full-height, Half-length slots UIO AOC Compatibility Matrix (Both CPUs need to be installed for full access to PCI-E slots and onboard controllers. See manual for block diagram and AOC Support for details.)
Drive Bays	
Hot-swap	<ul style="list-style-type: none"> 10 Hot-swap 2.5" SAS / SATA HDD trays (connected to onboard storage controller)
Backplane	
SAS/SATA HDD Backplane (SAS support requires optional SAS controller)	
System Cooling	
Fans	<ul style="list-style-type: none"> 5x 4cm Counter-rotating PWM Fans
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, 8.5-6 Amp 750W: 180 - 240V, 60-50 Hz, 5-3.8 Amp
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 @ 180-240V
With Power Distributor	<ul style="list-style-type: none"> +5V: 25 Amp +3.3V: 12 Amp -12V: 0.6 Amp
Certification	 Gold Certified
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 / 3.0 / 4.0 BIOS resume hot keys 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: 5°C to 35°C (41°F to 95°F) Non-operating Temperature: -40°C to 60°C (-40°F to 140°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-X9DRW-3F	1	Super X9DRW-3F Motherboard
	CSE-116TQ-R700WB	1	1U Chassis
Backplane	BPN-SAS-116TQ	1	BPN-SAS-116TQ
Cable 1	CBL-0118L-03	1	lpass to 4 SATA cable 23CM, W / 25.5cm SB, S, 30AWG
Cable 2	CBL-0157L-01	1	8 pin to 8 pin ribbon SGPIO cable with tube, 61.5cm, PBF
Cable 3	CBL-0230L	2	65CM SATA ROUND S-RA PBF. 26AWG
Cable 4	CBL-0287L-01	1	IPASS TO 4 SATA 43/43/33/33CM, W/ 43cm SB, RA ,30AWG
Riser Card	RSC-R1UW-2E16-O-P	1	RSC-R1UW-2E16-O-P
Heatsink / Retention	SNK-P0047PS	2	1U Passive CPU Heat Sink for X9 Generation Motherboards w/ Narrow ILM
Power Supply	PWS-704P-1R	2	1U REDUNDANT PWS PMBUS GOLD EFFICIENCY 54.5MM
Rail Set	MCP-290-00043-0V	1 set	Rail set for SC113

Optional Parts List

	Part Number	Qty	Description
Storage Controller Card(s) (PCI-E Only)	-	-	Please refer to our Storage Add-on Card Table
Network Card (PCI-E Only)	-	-	Please refer to our Network Add-on Card Table
Cable for Storage Controller Card Connection	CBL-0343L-01	1	IPASS to 4 SATA Cable, 30AWG 76/66/54/45CM, W/ 66CM
Rail Set	MCP-290-00063-0N	1 set	Rail set, quick/quick, for 1U 17.2"W SC113