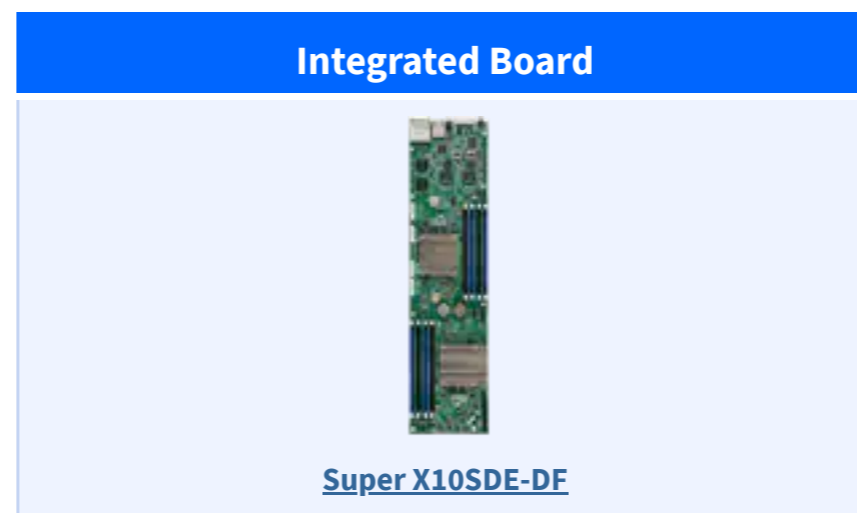


# SuperServer 5038MD-H24TRF (Complete System Only)

Print



Views: | [Angled View](#) | [Node View](#) | [Front View](#) | [Rear View](#) |



## Key Features (2 Nodes per Tray, Each Node:)

- Cloud Computing**
- Web Cache, CDN**
- Web Hosting**
- Application delivery**
- 1. Single socket FCBGA 1667, 6-Core, 45W, 12 Threads; support Intel® Xeon® processor D-1531
- 2. 1x 2.5" SATA3 (6Gbps) HDDs or 2x 2.5" Slim SSD with Optional kit
- 3. 4x 288-pin DDR4 DIMM slots; up to 128GB ECC VLP RDIMM / 64GB ECC VLP UDIMM; 4 DIMM slots
- 4. 2 GbE LAN (Intel i350), 1 shared LAN for IPMI Remote Management
- 5. 2 USB 2.0, 1 VGA, 1 COM port (with KVM dongle)
- 6. 4x 9cm heavy duty fans with optimal cooling zone
- 7. 1600W Redundant power supplies **Platinum Level Certified**

[Drivers & Utilities](#) [BIOS](#) [IPMI](#) [Tested Memory](#) [Manuals](#) [OS Certification Matrix](#) [Drive Options](#)

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

## Specifications ^

### Product SKUs - **Discontinued SKU (EOL). Please contact sales-rep for alternative options.**

**SuperServer** SYS-5038MD-H24TRF (**Black**)

### Motherboard

**Super X10SDE-DF**

### Processor/Cache

**CPU** Intel® Xeon® processor D-1531  
Socket FCBGA 1667  
CPU TDP support 45W, 2.2-2.6GHz, 12MB

**Cache** 9M Cache, 2.20 GHz

### System Memory (per node)

**Memory Capacity** 4x DDR4 DIMM sockets  
Up to 128GB DDR4 VLP ECC RDIMM  
Up to 64GB DDR4 VLP ECC/non-ECC UDIMM

**Memory Type** 2133/2400MHz VLP ECC DDR4 RDIMM and VLP ECC/Non-ECC UDIMM

**DIMM Sizes** 32GB, 16GB, 8GB, 4GB

**Memory Voltage** 1.2V

**Error Detection** Corrects single-bit errors  
Detects double-bit errors (using ECC memory)

### On-Board Devices (per node)

**Chipset** System on Chip (SoC)

**SATA** SATA3 (6Gbps) via SoC

**Network Controllers** Dual LAN via Intel® i350 Gigabit Ethernet  
Virtual Machine Device Queues reduce I/O overhead  
Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output

**IPMI** 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

**Headers** 1 Type A USB 3.0

**Graphics** ASPEED AST2400 Graphics (BMC with Graphic controller)

### Input / Output (per node)

**LAN** 2 RJ45 Gigabit Ethernet LAN ports  
1 LAN shared for IPMI Remote Management

**USB** 2 USB 2.0 via KVM

**KVM** 1 VGA, 1 COM and 2 USB 2.0 (with KVM dongle) ports

### System BIOS

**BIOS Type** 128Mb SPI Flash EEPROM with AMI BIOS

**BIOS Features** Plug and Play (PnP)  
APM 1.2  
ACPI 1.0 / 2.0  
USB Keyboard support  
SMBIOS 2.3  
RTC (Real Time Clock) Wakeup

### Rear Window (each node)

**Switch** Power / UID

### Chassis

**Form Factor** 3U

**Model** CSE-939HX-R1K63B

### Dimensions and Weight

**Height** 5.21" (132 mm)

**Width** 17.26" (438 mm)

**Depth** 29.5" (749 mm)

**Package** 16.1" (H) x 28.35" (W) x 42.36" (D)

**Weight** Net Weight: 90 lbs (40.82 kg)  
Gross Weight: 120 lbs (54.4 kg)

**Color** Black

### Front Panel

**Buttons** Power On/Off button

**LEDs** Power LED  
Node status LED

### Drive Bays (per node)

**Internal** 1x 2.5" internal SATA3 (6Gbps) HDDs per node or 2x 2.5" Slim SSD with Optional kit  
Enterprise SATA HDD only recommended

### System Cooling

**Fans** 4x 9cm Heavy duty fans with optimal cooling zone

### Power Supply

1620W high-efficiency redundant power supply w/ PMBUS

**AC Input** 1000W Output @ 100-120V, 12-10A, 50-60Hz  
1200W Output @ 120-140V, 12-10A, 50-60Hz  
1620W Output @ 180-240V, 10.5-8A, 50-60Hz

**DC Output** 1000W: +12V/84A; +5Vsb/4A  
1200W: +12V/100A; +5Vsb/4A  
1620W: +12V/135A; +5Vsb/4A

**Certification** **Platinum Level** [\[ Test Report \]](#)

### PC Health Monitoring

**CPU** Monitors for CPU Cores, +3.3V, +5V, +12V, +3.3V Standby, +5V Standby, VBAT, Memory, Chipset Voltages.  
3-Phase-switching voltage regulator with auto-sense from 0.5V-2.3V

**FAN** Cooling zone

**Temperature** Monitoring for CPU and chassis environment

### 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)

## Parts List ^

### Parts List - (Items Included)

	Part Number	Qty	Description
<b>Motherboard / Chassis</b>	MBD-X10SDE-DF	12	Super X10SDE-DF Motherboard
	CSE-939HX-R1K63B	1	3U Chassis
<b>Add-on Card / Module</b>	AOM-PDB-MC24	12	AOM-PDB-MC24
<b>Add-on Card / Module</b>	AOM-BPN-MC24	12	AOM-BPN-MC24
<b>Backplane</b>	BPN-SAS-939H	1	12-port 3U (CSE-939) 12-node MicroCloud hot swappable midplane
<b>Cable 1</b>	CBL-PWCD-0578	2	PWCD,US,IEC60320 C14 TO C13,3FT,14AWG
<b>Cable 2</b>	CBL-0218L	1	USB/KVM/SUVI,36 PIN TO 9 PIN/15 PIN/2 USB CH,11.5CM,30/28AWG
<b>Label</b>	LBL-0108	1	CAUTION LABEL FOR REDUNDANT PWR SYSTEMS
<b>Power Supply</b>	PWS-1K63S-1R	2	1600W redundant platinum power supply

### Optional Parts List

	Part Number	Qty	Description
<b>Drive Tray(s)</b>	MCP-220-93906-0N	-	HDD conversion plate to support 4 x 2.5" HDD per node
<b>Global Services &amp; Support</b>	<a href="#">QS4HR3/2/1</a>	-	3/2/1-year onsite 24x7x4 service
	<a href="#">OSNBD3/2/1</a>	-	3/2/1-year onsite NBD service
<b>Software</b>	<a href="#">SFT-OOB-LIC</a> • eStore	1	OOB Management Package (per node license)
<b>Software</b>	<a href="#">SFT-DCMS-Single</a>	1	DataCenter Management Package (per node license)

Global SKU English

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