

SuperServer 5039MS-H8TRF



Integrated Board

[./products/motherboard/Xeon/C236_C232/X11SSD-F.cfm](#)

Super X11SSD-F [./products/motherboard/Xeon/C236_C232/X11SSD-F.cfm](#)

Views: | [Angled View \(/a_images/products/views/5039MS-H8TRF_angle.jpg\)](#) | [Node View \(/a_images/products/views/5039MS-H8TRF_node.jpg\)](#) | [Front View \(/a_images/products/views/5039MS-H8TRF_front.jpg\)](#) | [Rear View \(/a_images/products/views/5039MS-H8TRF_rear.jpg\)](#) |

Key Features (per node)

Cloud Computing
Web Cache
Web Hosting, VM
Social Networking

- 1. Single socket H4 (LGA 1151) supports Intel® Xeon® processor E3-1200 v6/v5, Intel® 7th/6th Gen. Core™ i3 series, Intel® Celeron® and Intel® Pentium®
- 2. 2x 3.5" SATA3 by default; 2x 2.5" SATA3 HDDs w/ Optional kits
- 3. Up to 64GB ECC UDIMM DDR4-2400MHz in 4 sockets
- 4. 2 GbE LAN ports via Intel i350, 1 dedicated IPMI LAN port
- 5. 1 PCI-E 3.0 x8 and 1 Micro-LP
- 6. 2 USB 2.0, 1 VGA, 1 COM port, (with KVM dongle)
- 7. 1 USB 3.0 (Type A), 1 SATA DOM
- 8. 4 heavy duty hot-swap 8cm fans with optimal cooling zone (per system)
- 9. 1600W Redundant power supplies **Titanium Level Certified** (per system)

[Drivers & Utilities](#) [BIOS](#) [IPMI](#) [Tested Memory](#) [Manuals](#)
[OS Certification Matrix \(/en/support/resources/certification/SYS-5039MS-H8TRF\)](#)
[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

SuperServer

SYS-5039MS-H8TRF (Black)

Motherboard

Super X11SSD-F

(/products/motherboard/Xeon/C236_C232/X11SSD-F.cfm).

Processor/Cache

CPU

Single Socket H4 (LGA 1151) supports:

Intel® Xeon® processor E3-1200 v6/v5,

Intel® 7th/6th Gen Core™ i3,

Intel® Pentium®,

Intel® Celeron® processors

CPU TDP up to 80W

Note

BIOS version 2.0 or above is required to support Intel® Xeon® Processor E3-1200 v6 series or 7th Generation Intel® Core™ Processors

System Memory (per node)

Memory Capacity

4x 288-pin DDR4 DIMM slots

Supports up to 64 GB DDR4 ECC Un-Buffered memory (UDIMM)

Memory Type

2400MHz/2133MHz ECC DDR4 SDRAM 72-bit, 288-pin gold-plated UDIMMs

DIMM Sizes

16GB, 8GB, 4GB

Memory Voltage

1.2 V

Error Detection

Corrects single-bit errors

Detects double-bit errors (using ECC memory)

Expansion Slots (per node)

PCI-Express

1 PCI-E 3.0 x8 Low-profile slot

1 Micro-LP for Dual GbE (pre-installed); 10GbE or IB AOC optional

Network Devices (per node)

Micro-LP NIC

Intel® i350 GbE controller

Dual RJ-45 connectors

Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output

Intel® I/O Acceleration Technology (I/O AT)

MicroLP Adapter Matrix

(/support/resources/AOC/MicroLP_Compatibility.cfm).

(Networking options)

On-Board Devices (per node)

Chipset

Intel® C236 chipset

SATA

SATA3 (6Gbps) via C236 controller

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

1x Type A USB 3.0

Graphics

ASPEED AST2400 Graphics (BMC with Graphic controller)

Chassis

Form Factor

3U

Model

CSE-938BH-R1K68B

Dimensions and Weight

Height

5.21" (132.5 mm)

Width

17.26" (438.4 mm)

Depth

23.2" (589 mm)

Package

11.65" (H) x 26.26" (W) x 34" (D)

Weight

Net Weight: 62.2 lbs (28.21 kg)

Gross Weight: 88 lbs (39.92 kg)

Color

Black

Front Panel

Buttons

Power On/Off button

LEDs

Power LED

Node status LED

Drive Bays (per node)

Internal

2 Hot-swap 3.5" SATA3 (6Gbps) HDDs per node (or 2x 2.5" SATA3 with optional kits); up to 16 HDDs total

Enterprise SATA HDD only recommended

System Cooling

Fans

4 Heavy duty 8cm fans with optimal cooling zone

Power Supply (76mm Width)

1600W 1U Redundant Power Supplies with PMBus

Total Output Power

800W: 100 – 140Vac

1600W: 180 – 240Vac

Dimension

(W x H x L)

76 x 40.4 x 336 mm

Input

100-140Vac / 10-7A / 50-60Hz

180-240Vac / 11-8A / 50-60Hz

+12V

Max: 67A / Min: 0A (100-140Vac)

Max: 133A / Min: 0A (180-240Vac)

+5Vsb

Max: 1A / Min: 0A

Output Type

27 Pairs Gold Finger Connector

Certification



(http://www.plugloadsolutions.com/80PlusPowerSuppliesDetail.a

id=69&type=2). Titanium Level

[Test Report

(/products/powersupply/80PLUS/80PLUS_PWS-1K68A-1R.pdf).]

Input / Output (per node)

- SATA**
2 SATA3 (6Gbps) ports
- LAN**
2 RJ45 Gigabit Ethernet LAN ports
1 RJ45 Dedicated IPMI LAN port
- DOM**
SATA DOM (Disk on Module) power connector support
- KVM**
1 VGA, 1 COM and 2 USB 2.0 (with KVM dongle)

System BIOS

- BIOS Type**
128Mb SPI Flash EEPROM with AMI BIOS
- BIOS Features**
DMI 2.3
ACPI 1.0 / 2.0
USB Keyboard support
SMBIOS 2.3

Rear Window (each node)

- Switch**
Power / UID

Parts List

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)

Certain products may not be available in your region