

# Supermicro SuperServer SYS-5039MS-H12TRF 3U MicroCloud UP 12x2LFF/4SFF CIB RED PSU

Kod producenta: SYS-5039MS-H12TRF



Chassis Form Factor	Rack 3U
# of systems (nodes)	12
CPU Socket	LGA 1151 (Socket H4)
# of CPU sockets (per node)	1
Supported CPU's	Intel Xeon E3-1200v5 Intel Xeon E3-1200v6 Intel Core i3 6th Gen Intel Core i3 7th Gen
Max CPU TDP	80 W
Chipset	Intel C236 Skylake
Memory Type	DDR4 ECC UDIMM DDR4 non-ECC UDIMM
Memory Speed	2400 MHz 2133 MHz 1866 MHz 1600 MHz 1333 MHz
# of DIMM's (per node)	4
Max Memory Size (per node)	64 GB
Integrated GPU	Aspeed AST2400
# of 2.5 fixed bays (per node)	4
# of 3.5 fixed bays (per node)	2
# of USB Ports (per node)	2 x USB 2.0 (rear) 1 x USB 3.0 Type A
# of SATA Ports (per node)	4
Storage Controllers	6 x AHCI iSATA 6Gb/s
Integrated RAID	0,1,5,10
# of Serial Ports (per node)	1 x Fast UART 16550 (header)
# of 1GbE Ports (per node)	2 x RJ45
Network Controllers	Intel i350 Dual Port Gigabit Ethernet
Integrated BMC	IPMI Dedicated RJ45
BMC chip	Aspeed AST2400
TPM	1 x TPM 1.2 20-pin Header
Power Supply	Redundant 1+1
PSU Wattage	2000 W
PSU Certification	80+ Titanium
Chassis Dimensions	444.5 x 132.5 x 749.3mm
Uwagi	PCI-Express Slots Configuration: 1x Micro LPx8 expansion module HDD bays configuration: SATA3 2x NVMe

*Poniżej prezentujemy szczegółowy opis techniczny oferowanego produktu:*

## Product SKUs

SuperServer • SYS-5039MS-H12TRF (Black)

## Motherboard

Motherboard • [MBD-X11SSE-F](#)

## Processor/Cache

CPU

- Single Socket H4 (LGA 1151) supports:
- Intel® Xeon® processor E3-1200 v5,
- Intel® 6th Gen Core™ i3,
- Intel® Pentium®,
- Intel® Celeron® processors
- CPU TDP up to 80W

## System Memory (per node)

Memory Capacity

- 4x 288-pin DDR4 DIMM slots
- Supports up to 64 GB DDR4 VLP ECC Un-Buffered memory (UDIMM)

Memory Type

- 2133MHz ECC DDR4 (VLP) SDRAM 72-bit, 288-pin gold-plated UDIMMs

DIMM Sizes

- 16GB

Memory Voltage

- 1.2 V

Error Detection

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

## On-Board Devices (per node)

Chipset

- Intel® C236 chipset

SATA

- SATA3 (6Gbps) via C236 controller
- Support for Intelligent Platform Management Interface v.2.0

IPMI

- 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)

## 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](#) (Networking options)

## Input / Output (per node)

SATA

- 2x SATA3 (6Gbps) ports

LAN

- 2x RJ45 Gigabit Ethernet LAN ports

DOM

- SATA DOM (Disk on Module) power connector support

KVM

- 1x VGA, 1x COM and 2x USB 2.0 (with KVM dongle)

## System BIOS

BIOS Type

- 128Mb SPI Flash EEPROM with AMI BIOS
- DMI 2.3

BIOS Features

- ACPI 1.0 / 2.0
- USB Keyboard support
- SMBIOS 2.3

## Front Window (each node)

Switch

- Power / UID

## Chassis

Form Factor

- 3U

Model

- **CSE-939HS-R2K04B**

## Dimensions and Weight

Height

- 5.21" (132.5 mm)

Width

- 17.5" (444.5 mm)

Depth

- 29.5" (749.3 mm)

Package

- 16.1" (H) x 28.35" (W) x 42.36" (D)
- Net Weight: 95lbs (43.09kg)
- Net Weight w/ 2.5" HDDs: 115lbs (52.16kg)

Weight

- Net Weight w/ 3.5" HDDs: 132lbs (59.87kg)
- Gross Weight: 125lbs (56.70kg)

Color

- Black

## Drive Bays (per node)

Internal

- 2x 3.5" SATA3 OR 4x 2.5" SATA3 HDDs OR 2x 2.5" NVMe + 1x 3.5" SATA3 OR 2x 2.5" NVMe + 2x 2.5" SATA3; up to 48x 2.5" drives total
- Enterprise SATA HDD only recommended

## System Cooling

Fans

- 4x 9cm Heavy duty fans with optimal cooling zone

Power Supply with Digital Switching Control

- 2000W Titanium Level (96%) High-efficiency Redundant Power Supplies

Total Output Power

- 1000W/1800W/1980W/2000W

AC Input

- 100-127 V, 50-60 Hz
- 200-220 V, 50-60 Hz
- 220-230 V, 50-60 Hz
- 230-240 V, 50-60 Hz

+12V

- Max: 83.3A & Min: 0A (100Vac-127Vac)
- Max: 150A & Min: 0A (200Vac-220Vac)

5V SB

- Max: 165A & Min: 0A (220Vac-230Vac)
- Max: 166.7A & Min: 0A (230Vac-240Vac)
- Max: 1A / Min: 0A

Certification



**Titanium 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
- 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)

Environmental Spec.

- Operating Relative Humidity: 8% to 90% (non-condensing)
- Non-operating Relative Humidity: 5% to 95% (non-condensing)

## UWAGA !!!

Oferowany produkt to platforma serwerowa służąca do budowy swojej własnej konfiguracji serwera (nie zawiera CPU, RAM czy HDD).

Jeżeli potrzebujesz kupić gotowy serwer wraz z CPU, RAM, HDD/SDD oraz innymi opcjami koniecznie wyślij do nas zapytanie. Posiadamy najlepsze ceny i dostępność na pełne konfiguracje. Zapewniamy pełne wsparcie techniczne do zakupionych u nas serwerów.

Strona firmowa produktu:

<https://www.superserver.pl/superserver/sys-5039ms-h12trf3-micro-lp-nic-2x-2.5-13x-3.5-ff-1>

