

Workstation

Key Features

4th Gen Intel® Xeon® Scalable processors, Dual Socket LGA-4677 (Socket E), CPU TDP supports up to 350W TDP

Support CXL

Intel® C741 Chipset

Up to 4TB 3DS ECC RDIMM, DDR5-4800MT/s(1DPC) in 16 DIMM slots

Broadcom BCM57416 Dual ports 10G LAN

2 SATA DOM ports

2 M 2

4 NVMe ports PCIe 5.0 x4 via 2 MCIO connectors

5 PCIe 5.0 x16

1 PCIe 5.0 x8

8 SATA 3.0 ports(C741, RAID 0, 1, 5, 10)

HD Audio 7.1 channel

1 USB 3.1 Gen 2, 6 USB 3.0

Optimized Servers

 $\underline{\text{SYS-751A-I} \left(/ \text{de/products/system/workstation/tower/sys-751a-i} \right)}$

Specifications

Physical Stats Form Factor

EATX
Dimension
12.1" x 13.1" (30.734cm x 33.274cm)

Processor CPU

4th Gen Intel® Xeon® Scalable processors

(/de/support/resources/cpu-4th-

gen-intel-xeon-scalable)

Dual Socket LGA-4677 (Socket E) supported, CPU TDP supports Up to 350W TDP Core Up to 60 cores

Up to 60 cores
System Memory
Memory Capacity
16 DIMM slots
Up to 4T8 3D5 ECC RDIMM, DDR5-4800MHz
Memory Type
4800/4400/4000 MT/s ECC DDR5 RDIMM
(3DS) 256GB 4800MT/s
DIMM Sizes
166B, 32GB, 64GB, 128GB, 256GB
RDIMM, 16GB, 32GB, 64GB, 128GB, 256GB
RDIMM, 16GB, 32GB, 64GB, 128GB, 256GB

Memory Voltage

Error Detection

Detects double-bit errors (using ECC memory)

On-Board Devices

Chipset Intel® C741

SATA 8 SATA3 ports; RAID 0, 1, 5, 10 2 SATA3 ports; RAID 0,1

Audio
Realtek ALC888S
Network Controllers
Dual LAN with Broadcom BCM57416
10GBase-T, RJ4510 Gigabit Ethernet LAN
ports

Input / Output SATA

SATA
8 SATA3 (6Gbps) port(s)
2 SATA3 (6Gbps) port(s)
USB
2 USB 2.0 port(s) (2 via header)
6 USB 3.0 port(s) (4 rear type A; 2 via header)

header) 1 USB 3.1 Gen2 port(s) (1 via header) Video Output 1 VGA D-Sub Connector port(s)

TPM
TPM Chip
Others
2 MCIO PCIe 5.0 x8

Expansion Slots
PCIe
1 PCIe 5.0 x8,
5 PCIe 5.0 x16
M.2
N.2 Interface: 2 PCIe 5.0 x4
Form Factor: 2280/22110
Key: M-Key

System BIOS BIOS Type AMI 32MB AMI UEFI

BIOS Features ACPI 6.4 SMBIOS 2.8/3.5

UFFI 2.8A

Plug and Play (PnP) PCIFW 3.2

Redfish API

(/manuals/other/RedfishRefGuide.

pdf), Supermicro Server Manager (SSM) (/solutions/SMS SSM.cfm),

Supermicro Power Manager (SPM). (/solutions/SMS_SPM.cfm).

Supermicro Update Manager (SUM) (/solutions/SMS_SUM.cfm).

SuperDoctor® 5

(/en/solutions/managementsoftware/superdoctor). Super

<u>Diagnostics Offline</u>

(/en/solutions/management-

software/super-diagnostics-offline). KVM with dedicated LAN

(/manuals/other/BMC_IPMLX13

H13.pdf#page=112), IPMI 2.0

(/solutions/IPMI.cfm)

Security Hardware Trusted Platform Module (TPM) 2.0 PC Health Monitoring

PC Health Monitoring
Voltage
+5V standby,+5V,+3.3V,+12V,+3.3V
standby
LED
UID/Remote UID
Power LED
BMC/IPMI Heartbeat LED
Temperature
CPU thermal trip support
peripheral temperature
System temperature
Memory temperature
CPU temperature
CPU temperature
CPU temperature
PCH temperature

PCH temperature

Platform Environment Control Interface (PECI)/(TSI)

(PEU,)(TS)

Voore

FAN

13x4-pin fan headers (up to 13 fans)

Fan speed control, Overheat LED

indication, CPU thermal trip support, 13x

fans with tachometer monitoring,

Thermal Monitor 2 (TM2) support, PECI,

Monitoring for CPU and chassis

environment

Chase Eastures

Other Features

Other Features
Mode Manager Support
M.2 NGFF connector
Control of power-on for recovery from AC
power loss
Chassis intrusion detection
ACPI power management

Operating Environment
Operating Temperature Range
10°C - 35°C (50°F - 95°F)
Non-Operating Temperature Range
-40°C - 70°C (-40°F - 158°F)
Operating Relative Humidity Range
89% -90% (non-condensine)

8% - 90% (non-condensing) Non Operating Relative Humidity Range 5% - 95% (non-condensing)

Parts List

Standard Parts (Bulk Package)

CPU carrier Part Number

SKT-1424L-001B-LTS SKT-1333L-0000-FXC

Qty Description 2
CPU carrier for 4th Gen Intel® Xeon® Scalable processors
(MCC)
(MCC)
(MCC)

I/O Shield Part Number MCP-260-00181-0B

Qty Description

SATA cable

CBL-0044L-@Store (https://store.supermicro.com/supermicro-sata-flat-straight-straight-57-5cm-cable-cbl-0044l.html)

57.5 cm SATA FLAT S-S PBF Description

Standard Parts (Retail Package)

CPU carrier Part Number

SKT-1424L-001B-LTS SKT-1333L-0000-FXC

Qty Description

CPU carrier for 4th Gen Intel® Xeon® Scalable processors (MCC) (XCC)

AOM-TPM-9672V

I/O Shield MCP-260-00181-0B Part Number

Qty Description

QRG Part Number

MNL-2569-QRG

Qty Description Motherboard Quick Reference Guide

SATA cable Part Number

CBL-0044L-*e*Store (https://store.supermicro.com/supermicro-sata-flat-straight-straight-57-5cm-cable-cbl-0044l.html).

Qty Description 57.5 cm SATA FLAT S-S PBF

Optional Parts

TPM security module (optional, not included)
Part Number AOM-TPM-9670V
Qty 1

Qty Description

SPI capable TPM 2.0 with Infineon 9670 controller with vertical form factor SPI capable TPM 2.0 with Infineon 9672 controller with vertical form factor

Global SKU (/de/products/SMC_global_skus)