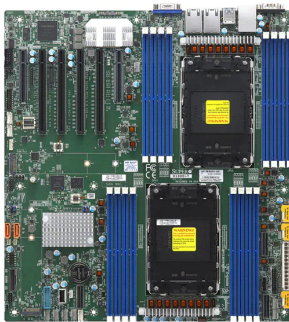


X13DEI-T



X13 Mainstream

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
- 4 PCIe 5.0 x16
- 2 PCIe 5.0 x8
- Broadcom BCM57416 Dual ports 10G LAN
- 6 USB3.0 and 3 USB2.0
- 2 SATA DOM ports
- 2 M.2
- 6 NVMe ports PCIe 5.0 x4 via 3 MCIO connectors
- 8 SATA3.0 ports

Optimized Servers

- [SYS-621P-TRT \(/de/products/system/mainstream/2u/sys-621p-trt\)](#) [SYS-741P-TRT \(/de/products/system/mainstream/4u/sys-741p-trt\)](#) [SYS-221P-C9RT \(/de/products/system/mainstream/2u/sys-221p-c9rt\)](#)
- [SSG-631E-E1CR16H \(/de/products/system/storage/3u/ssg-631e-e1cr16h\)](#) [SSG-631E-E1CR16L \(/de/products/system/storage/3u/ssg-631e-e1cr16l\)](#) [SSG-641E-E1CR36H \(/de/products/system/storage/4u/ssg-641e-e1cr36h\)](#)
- [SSG-641E-E1CR36L \(/de/products/system/storage/4u/ssg-641e-e1cr36l\)](#) [SSG-641E-E1CR24H \(/de/products/system/storage/4u/ssg-641e-e1cr24h\)](#) [SSG-641E-E1CR24L \(/de/products/system/storage/4u/ssg-641e-e1cr24l\)](#)
- [SSG-621E-ACR12H \(/de/products/system/storage/2u/ssg-621e-acr12h\)](#) [SSG-621E-ACR12L \(/de/products/system/storage/2u/ssg-621e-acr12l\)](#) [SSG-621E-ACR16H \(/de/products/system/storage/2u/ssg-621e-acr16h\)](#)
- [SSG-621E-ACR16L \(/de/products/system/storage/2u/ssg-621e-acr16l\)](#)

Specifications

Product SKUs MBD-X13DEI-T
Physical Stats Form Factor EATX
Dimension 12.1" x 13.05" (30.74cm x 33.15cm)
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
System Memory Memory Capacity 16 DIMM slots Up to 4TB 3DS ECC RDIMM, DDR5-4800MHz
Memory Type 4800/4000/4000 MT/s ECC DDR5 RDIMM (3DS) Up to 256GB of memory with speeds of up to 4800MT/s (1DPC)
DIMM Sizes 16GB, 32GB, 64GB, 128GB, 256GB RDIMM: 16GB, 32GB, 64GB, 128GB, 256GB
Memory Voltage 1.1V
Error Detection Corrects single-bit errors Detects double-bit errors (using ECC memory)
On-Board Devices Chipset Intel® C741
SATA Intel® C741 controller for 8 SATA3 (6 Gbps) ports; RAID 0, 1, 5, 10 Intel® C741 controller for 2 SATA3 (6 Gbps) ports; RAID 0, 1
IPMI ASPEED AST2600 BMC
Network Controllers Dual LAN with Broadcom BCM57416 10GBase-T Dual LAN
Input / Output SATA 8 SATA3 (6Gbps) port(s) 2 SATA3 (6Gbps) port(s)
LAN 1 RJ45 Dedicated IPMI LAN port
USB 3 USB2 port(s) (2 via header; 1 Type-A) 6 USB3 port(s) (4 rear; 2 via header)
Video Output 1 VGA D-Sub Connector port(s)
Serial Port 2 COM Port(s) (1 header; 1 rear)
TPM 1 TPM header
Others 3 MCIO PCIe 5.0 x8

Expansion Slots PCIe 2 PCIe 5.0 x8, 4 PCIe 5.0 x16
M.2 M.2 Interface: 2 PCIe 4.0 x2 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 UEFI 2.8A Plug and Play (PnP) PCI FW 3.2
Management Software 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/management-software/superdoctor) , Super Diagnostics Offline (/en/solutions/management-software/super-diagnostics-offline) , KVM with dedicated LAN (/manuals/other/BMC_IPMI_X13_H13.pdf?page=112) , IPMI 2.0 (/solutions/IPMI.cfm)
Security Hardware Trusted Platform Module (TPM) 2.0
PC Health Monitoring Voltage System temperature, PCH temperature, Memory temperature, CPU temperature, +5V standby, +5V, +3.3V, +12V, CPU thermal trip support, +3.3V standby, Vcore, Vmem, Peripheral temperature, Platform Environment Control Interface (PECI)/(TTS)
LED UID/Remote UID CPU / System Overheat LED
Temperature Monitoring for CPU and chassis environment CPU thermal trip support Thermal Monitor 2 (TM2) support PECI
FAN 8x4-pin fan headers (up to 8 fans) Fan speed control Overheat LED indication 8x fans with tachometer monitoring
Other Features UID, Node 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 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	2	2
Description	CPU carrier for 4th Gen Intel® Xeon® Scalable processors (MCC)	CPU carrier for 4th Gen Intel® Xeon® Scalable processors (XCC)
I/O Shield		
Part Number	MCP-260-00042-3N	
Qty	1	
Description	-	
SATA cable		
Part Number	CBL-0044L - eStore (https://store.supermicro.com/supermicro-sata-flat-straight-straight-57-5cm-cable-cbl-0044L.html)	
Qty	2	
Description	57.5 cm SATA FLAT S-S PBF	

Standard Parts (Retail Package)

CPU carrier		
Part Number	SKT-1424L-001B-LTS	SKT-1333L-0000-FXC
Qty	2	2
Description	CPU carrier for 4th Gen Intel® Xeon® Scalable processors (MCC)	CPU carrier for 4th Gen Intel® Xeon® Scalable processors (XCC)
I/O Shield		
Part Number	MCP-260-00042-3N	
Qty	1	
Description	-	
QRG		
Part Number	MNL-2509-QRG	
Qty	1	
Description	Motherboard Quick Reference Guide	
SATA cable		
Part Number	CBL-0044L - eStore (https://store.supermicro.com/supermicro-sata-flat-straight-straight-57-5cm-cable-cbl-0044L.html)	
Qty	2	
Description	57.5 cm SATA FLAT S-S PBF	

Optional Parts

TPM security module (optional, not included)		
Part Number	AOM-TPM-9670V	
Qty	1	
Description	SPI capable TPM 2.0 with Infineon 9670 controller with vertical form factor	

Global SKU (/de/products/SMC_global_skus)