



Key Features

- 4th Gen Intel® Xeon® Scalable processors, Single Socket LGA-4677 (Socket E) supported, CPU TDP supports Up to 350W TDP
Intel C741® Chipset
Up to 2TB 3DS ECC RDIMM, DDR5-4800MT/s (1DPC) in 8 DIMM slots
1 PCIe 5.0 x8 (in x16)
1 PCIe 5.0 x32
M.2 Interface: 1 PCIe 3.0 x2
M.2 Form Factor: 2280, 22110
M.2 Key: M-Key
10 NVMe ports PCIe 5.0 x8 via 5 M.2 connectors
Dual LAN with 1GbE with Intel® I210
2 SuperDOM with built-in power
I/O: 1 VGA, 2 COM, 1 TPM header
4 USB 3.2 Gen1 (2 rear, 2 via header), 3 USB 2.0 (2 rear, 1 via Type-A)
Intel® C741 controller for 10 SATA3 (6 Gbps) ports

Optimized Servers

SYS-111E-WR (/de/products/system/up/1u/sys-111e-wr) SYS-511E-WR (/de/products/system/up/1u/sys-511e-wr) SYS-521E-WR (/de/products/system/up/2u/sys-521e-wr)

Specifications

Table with columns for Product SKUs (MBD-X13SEW-F), Physical Stats, Form Factor, Dimension (8" x 13" (20.32cm x 33.02cm)), Processor (4th Gen Intel® Xeon® Scalable processors), CPU, Core (Up to 60 cores), System Memory (8 DIMM slots, Up to 2TB 3DS ECC RDIMM, DDR5-4800MHz), Memory Type (4800/4400/4000 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), Memory Voltage (1.1V), Error Detection (Corrects single-bit errors), On-Board Devices (Chipset Intel® C741, SATA Intel® C741 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10), IPMI (ASPEED AST2600 BMC), Network Controllers (Dual LAN with 1GbE with Intel® I210), Input / Output (SATA 10 SATA3 (6Gbps) port(s), LAN 2 RJ45 Gigabit Ethernet LAN ports, 1 RJ45 Dedicated IPMI LAN port, USB 5 USB 2 port(s) (2 via header; 2 rear; 1 Type A), 4 USB 3.2 Gen1 port(s) (2 via header; 2 rear)), Video Output (1 VGA D-Sub Connector port(s)), Serial Port (2 COM Port(s) (1 header; 1 rear)), DOM (2 SATA DOM (/SATADOM/) (Disk on Module) power connector support), TPM (1 TPM Header)

Table with columns for Expansion Slots (PCIe 1 PCIe 5.0 x8 Right Riser (in x16) slot, 1 PCIe 5.0 x32 Left Riser Slot, 5 PCIe 5.0 x8 PCIe5.0 M.2), M.2 (M.2 Interface: 1 PCIe 3.0 x2, Form Factor: 2280/22110, Key: M-Key), System BIOS (AMI UEFI), BIOS Type (ACPI 6.4, SMBIOS 3.5 or later, UEFI 2.8), 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 VBAT, System level control, Supports system management utility, Monitors CPU voltages, Chipset Voltage, Chassis intrusion header, 6-fan status, +5V standby, +5V, +3.3V, +12V, Memory Voltages), LED (UID/Remote UID, CPU / System Overheat LED), Temperature (Monitoring for CPU and chassis environment, CPU thermal trip support, Thermal Monitor 2 (TM2) support, PECC), FAN (6x 4-pin fan headers (up to 6 fans), Fan speed control, 6 fans with tachometer status monitoring, Overheat LED indication), Other Features (WOL, UID, Node Manager Support, M.2 NGFF connector, Control of power-on for recovery from AC power loss, Chassis intrusion detection, ACPI power management)

Parts List

Standard Parts (Bulk Package)

CPU carrier		
Part Number	SKT-1333L-0000-FXC	SKT-1424L-001B-FXC
Qty	1	1
Description	CPU carrier for 4th Gen Intel® Xeon® Scalable processors (XCC)	CPU carrier for 4th Gen Intel® Xeon® Scalable processors (MCC)

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-1333L-0000-FXC	SKT-1424L-001B-FXC
Qty	1	1
Description	CPU carrier for 4th Gen Intel® Xeon® Scalable processors (XCC)	CPU carrier for 4th Gen Intel® Xeon® Scalable processors (MCC)

QRG	
Part Number	MNL-2413-QRG
Qty	1
Description	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	
Part Number	AOM-TPM-9670V
Qty	1
Description	SPI capable TPM 2.0 with Infineon 9670 controller with vertical form factor