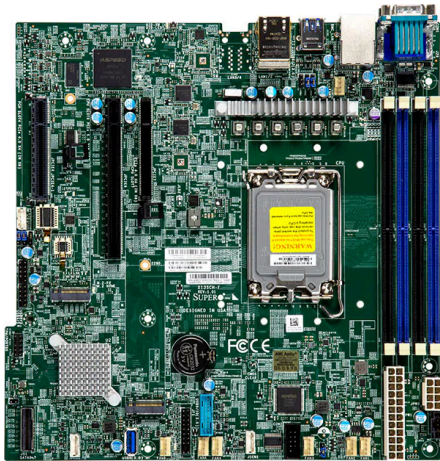


X13SCH-F



Key Features

- Intel® Xeon® 6300-series/E-2400 Series Processor, Pentium® Processor, Single Socket LGA-1700 (Socket V0) supported, CPU TDP supports Up to 95W TDP
- Intel® C266 controller for 8 SATA3 (6 Gbps) ports; RAID 0,1,5,10
- Up to 128GB ECC Unbuffered DIMM, DDR5-4400MHz, in 4 DIMM slots
- 1 PCIe 5.0 x16
- 2 PCIe 4.0 x4 (in x8)
- I/O: 1 VGA, 2 COM, 1 TPM header
- M.2 Interface:** 2 PCIe 4.0 x4
- M.2 Form Factor:** 2280, 22110
- M.2 Key:** M-Key
- Dual LAN with Intel® i210 Gigabit Ethernet Controller
- 5 USB 3.2 Gen1 ports (2 rear + 1 Type A + 2 via header)
- 6 USB 2.0 ports (2 rear + 4 via header)

Specifications

Product SKUs MBD-X13SCH-F	Expansion Slots PCIe 1 PCIe 5.0 x16, 2 PCIe 4.0 x4 (in x8 slot) M.2 M.2 Interface: 2 PCIe 4.0 x4 Form Factor: 2280/22110 Key: M-Key
Physical Stats Form Factor microATX Dimension 9.6" x 9.6" (24.38cm x 24.38cm)	System BIOS BIOS Type AMI 32MB AMI UEFI BIOS Features ACPI 6.4 SMBIOS 3.5 UEFI 2.8 Plug and Play (PnP) PCI FW 3.3
Processor CPU Intel® Xeon® 6300-series/ E-2400/Pentium® Processor Single Socket V0 (LGA-1700) supported, CPU TDP supports Up to 95W TDP *Pentium® G7400 and G7400T BIOS 2.0 or above is required to support Intel® Xeon® 6300-series processor Core Up to 8 cores	Management Software SuperCloud Composer® (/en/solutions/management-software/supercloud-composer) , Supermicro Server Manager (SSM) (/en/solutions/management-software/supermicro-server-manager) , Supermicro Power Manager (SPM) (/en/solutions/management-software/supermicro-power-manager) , Supermicro Update Manager (SUM) (/en/solutions/management-software/supermicro-update-manager) , Supermicro SuperDoctor® 5 (SD5) (/en/solutions/management-software/superdoctor) , Super Diagnostics Offline (SDO) (/en/solutions/management-software/super-diagnostics-offline) , Supermicro Thin-Agent Service (TAS) (/en/solutions/management-software/thin-agent-service) , SuperServer Automation Assistant (SAA) New! (/en/solutions/management-software/superserver-automation-assistant) , Plug-ins for 3rd Party Software (/en/solutions/management-software/plugins) , IPMI Utilities (/en/solutions/management-software/ipmi-utilities)
Memory Memory Capacity 4 DIMM slots Up to 128GB Unbuffered ECC UDIMM, DDR5-4400MT/s Memory Type 4400/4000/3600 MT/s Up to 128GB of memory with speeds of up to 4400MT/s (1DPC) or 4000 MT/s (2DPC) DIMM Sizes 8GB, 16GB, 32GB Memory Voltage 1.1V Error Detection Corrects single-bit errors Detects double-bit errors (using ECC memory)	Power Configurations ACPI Power Management, Power-on mode control for AC power loss recovery, Power button override mechanism, Wake-On-LAN
On-Board Devices Chipset Intel® C266 SATA Intel® C266 controller for 8 SATA3 (6 Gbps) ports; RAID 0,1,5,10 IPMI ASPEED AST2600 BMC Graphics 1 Aspeed AST2600 BMC port(s) Network Controllers Dual LAN with 1GbE with Intel® I210	Security Hardware Trusted Platform Module (TPM) 2.0
Input / Output SATA 8 SATA3 (6Gbps) port(s) via Slimline SAS x8 connector LAN 2 RJ45 Gigabit Ethernet LAN ports 1 RJ45 Dedicated IPMI LAN port USB 6 USB 2.0 port(s) (4 via header; 2 rear) 5 USB 3.2 Gen1 port(s) (2 via header; 2 rear; 1 type A) Video Output 1 VGA D-Sub Connector port(s) Serial Port 2 COM Port(s) (1 header; 1 rear) TPM 1 TPM Header	PC Health Monitoring Voltage VBAT, System level control, Supports system management utility, Monitors CPU voltages, Chipset Voltage, Chassis intrusion header, +5V standby, +5V, +3.3V, +12V, Memory Voltages, 7-fan status, +3.3V standby LED UID/Remote UID CPU / System Overheat LED Temperature Monitoring for CPU and chassis environment CPU thermal trip support PECI FAN 7x 4-pin fan headers (up to 7 fans) Fan speed control Overheat LED indication 7 fans with tachometer status monitoring Other Features WOL, UID, M.2 NGFF connector, Control of power-on for recovery from AC power loss, Chassis intrusion header, ACPI power management
	Operating Environment Operating Temperature Range -5°C - 55°C (23°F - 131°F) Non-Operating Temperature Range -30°C - 60°C (-22°F - 140°F) Operating Relative Humidity Range 8% - 80% (non-condensing) Non Operating Relative Humidity Range 8% - 90% (non-condensing)

Parts List

Standard Parts (Bulk Package)

I/O Shield	
Part Number	MCP-260-00164-0N
Qty	1
Description	STD I/O Shield with EMI Gasket
SATA cable	
Part Number	CBL-SAST-1275A-100
Qty	1
Description	Slimline x8 to 4x SATA Cable

Standard Parts (Retail Package)

I/O Shield	
Part Number	MCP-260-00164-0N
Qty	1
Description	STD I/O Shield with EMI Gasket
QRG	
Part Number	MNL-2554-QRG
Qty	1
Description	Motherboard Quick Reference Guide
SATA cable	
Part Number	CBL-SAST-1275A-100
Qty	1
Description	Slimline x8 to 4x SATA Cable

Optional Parts

1U I/O Shield		
Part Number	MCP-260-00165-0N	
Qty	-	
Description	Standard1U I/O Shield with EMI Gasket	
Active Heatsink		
Part Number	SNK-P0092AP4	SNK-P0086AP4 • eStore (https://store.supermicro.com/4u-active-cpu-cooler-x13-snk-p0086ap4.html)
Qty	1	1
Description	Active CPU Heatsink for 2U chassis	Active CPU Heatsink for 4U chassis
Passive heatsink		
Part Number	SNK-P0086P • eStore (https://store.supermicro.com/1u-passive-cpu-cooler-snk-p0086p.html)	
Qty	1	
Description	Passive CPU Heatsink for 1U chassis	
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	

Certain products may not be available in your region