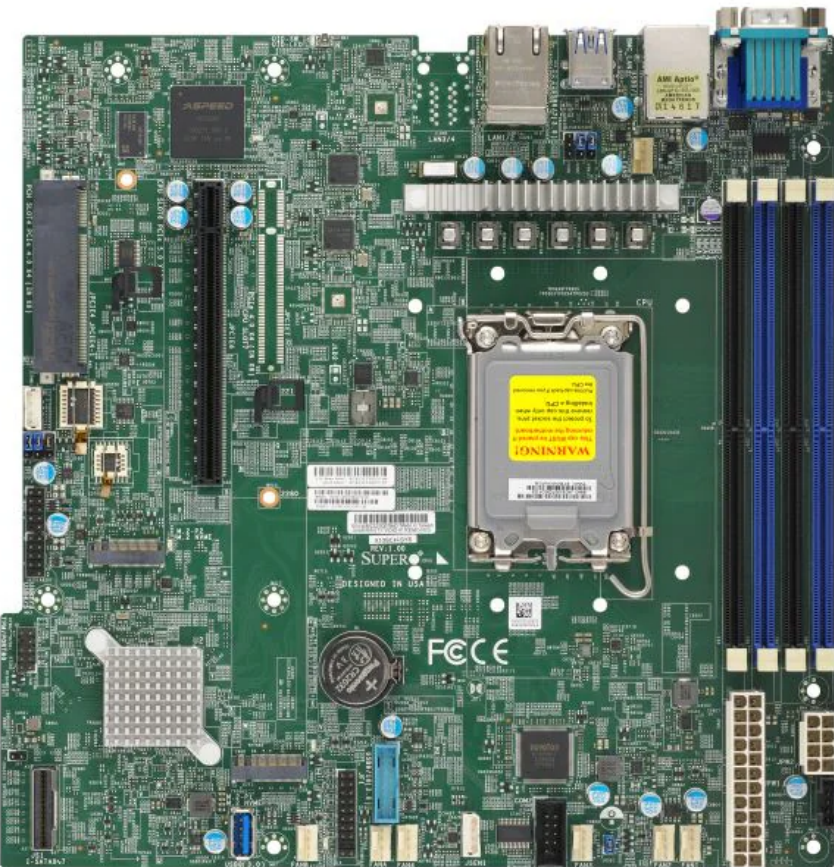




X13SCH-SYS (For SuperServer Only)



Key Features

1. Intel® Xeon® E-2400 Series Processor, Pentium®* Processor, Single Socket LGA-1700 (Socket V0) supported, CPU TDP supports Up to 95W TDP
2. Intel® C266 controller for 8 SATA3 (6 Gbps) ports; RAID 0,1,5,10
3. Up to 128GB ECC Unbuffered DIMM, DDR5-4400MHz, in 4 DIMM slots
4. 1 PCIe 5.0 x16

1 PCIe 4.0 x4 (in x8)
5. I/O: 1 VGA, 2 COM, 1 TPM header
6. **M.2 Interface:** 2 PCIe 4.0 x4

M.2 Form Factor: 2280, 22110

M.2 Key: M-Key
7. Dual LAN with Intel® i210 Gigabit Ethernet Controller
8. 5 USB 3.2 Gen1 ports (2 rear + 1 Type A + 2 via header)

6 USB 2.0 ports (2 rear + 4 via header)
- ...

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Optimized Servers

[SYS-511R-M](#)

[SYS-111R-M](#)

[SYS-511R-ML](#)

Specifications		Resources	Parts List
Product SKUs			
MBD-X13SCH-SYS			
Physical Stats			
	Form Factor	microATX	
	Dimension	9.6" x 9.6" (24.38cm x 24.38cm)	
Processor			
	CPU	Intel® Xeon® E-2400/Pentium®** Processor Single Socket Socket V0 (LGA-1700) supported, CPU TDP supports Up to 95W TDP *Pentium® G7400 and G7400T	
	Core	Up to 8 cores	
System 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 (2DPC)	
	DIMM Sizes	8GB, 16GB, 32GB	
	Memory Voltage	1.1V	
	Error Detection	Corrects single-bit errors Detects double-bit errors (using ECC memory)	
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	
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	

Expansion Slots	
PCIe	1 PCIe 5.0 x16, 1 PCIe 4.0 x4 (in x8 slot)
M.2	M.2 Interface: 2 PCIe 4.0 x4 Form Factor: 2280/22110 Key: M-Key
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
Management	
Software	SuperCloud Composer , Supermicro Server Manager (SSM) , Supermicro Power Manager (SPM) , Supermicro Update Manager (SUM) , Supermicro SuperDoctor® 5 (SD5) , Super Diagnostics Offline (SDO) , Supermicro Thin-Agent Service (TAS) , SuperServer Automation Assistant (SAA) New! , Plug-ins for 3rd Party Software , IPMI Utilities
Power Configurations	ACPI Power Management, Power-on mode control for AC power loss recovery, Power button override mechanism, Wake-On-LAN
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, +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	0°C - 50°C (32°F - 122°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)

Certain products may not be available in your region

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Webinars

Resources

Product Briefs

Solution Briefs

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Videos

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Thought Leadership

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