

X13SCL-IF

Print



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® C262 controller for 6 SATA3 (6 Gbps) ports ; RAID 0,1,5,10
3. Up to 64GB ECC Unbuffered DIMM, DDR5-4800MHz, in 2 DIMM slots
4. 1 PCIe 5.0 x16
2 SlimSAS (2 PCIe 4.0x4 or 1 PCIe 4.0x4 & 4 SATA)
5. Dual LAN with Intel® i210 Gigabit Ethernet Controller
6. **M.2 Interface:** 1 PCIe 4.0 x4
M.2 Form Factor: 2280
M.2 Key: M-Key
7. 4 USB 3.2 Gen1 ports (2 rear + 2 via header)
2 USB 2.0 ports (2 rear)

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Optimized Servers

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Specifications

Resources

Parts List

Product SKUs

MBD-X13SCL-IF

Physical Stats

Form Factor	Mini-ITX
Dimension	6.7" x 6.7" (17.02cm x 17.02cm)

Processor

CPU	Intel® Xeon® E-2400/Pentium® Processor Single 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	2 DIMM slots Up to 64GB Unbuffered ECC UDIMM, DDR5-4800MT/s
Memory Type	4800/4400/4000 MT/s Up to 64GB of memory with speeds of up to 4800MT/s (1DPC)
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® C262
SATA	Intel® C262 controller for 6 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	2 SATA3 (6Gbps) port(s) 4 SATA3 (6Gbps) port(s) via Slimline SAS x4 connector
LAN	1 RJ45 Dedicated IPMI LAN port
USB	2 USB 2.0 port(s) (2 rear) 4 USB 3.2 Gen1 port(s) (2 via header; 2 rear)
Video Output	1 VGA D-Sub Connector port(s)
Serial Port	1 COM Port(s) (1 rear)
TPM	1 TPM Header

Expansion Slots

PCIe	1 PCIe 5.0 x16, 1 PCIe 4.0 x4 SlimSAS, 2 PCIe 4.0x4 or 1 PCIe 4.0x4 & 4 SATA
M.2	M.2 Interface: 1 PCIe 4.0 x4 Form Factor: 2280 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
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Power Configurations	ACPI Power Management, Power-on mode control for AC power loss recovery, Power button override mechanism, Wake-On-LAN
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PC Health Monitoring

Voltage	VBAT, System level control, Supports system management utility, Monitors CPU voltages, Chipset Voltage, Chassis intrusion header, 4 -fan status, +5V standby, +5V, +3.3V, +12V, Memory Voltages, +3.3V standby
LED	UID/Remote UID CPU / System Overheat LED
Temperature	Monitoring for CPU and chassis environment CPU thermal trip support PECI
FAN	4x 4-pin fan headers (up to 4 fans) Fan speed control 4 fans with tachometer monitoring Overheat LED indication
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)

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