

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 8 NVMe ports PCIe 5.0 x4 via 4 MCIO connectors 1 PCIe 5.0 x8,

2 PCIe 5.0 x16,

4 PCIe 5.0 x8 MCIO connectors

M.2 Interface: 2 PCIe 4.0 x2 M.2 Form Factor: 2280, 22110

M.2 Key: M-Key

Dual LAN with 1GbE with Intel® I350

5 USB 3.2 Gen1 (2 rear, 1 Type-A, 2 via header), 6 USB 2.0 (2 rear, 4 via headers)

Intel® C741 controller for 10 SATA3 (6 Gbps) ports or 2 PCIe 3.0 x4 NVMe + 2 SATA3 ports; RAID (SATA) 0,1,5,10

Specifications

Specifications	
Product SKUs	Expansion Slots
MBD-X13SEM-F	PCIe
Physical Stats	2 PCle 5.0 x16,
Form Factor	1 PCIe 5.0 x8,
microATX	4 PCIe 5.0 x8 MCIO connector M.2
Dimension State St	M.2 Interface: 2 PCIe 4.0 x2
9.6" x 9.6" (24.38cm x 24.38cm)	Form Factor: 2280/22110
Processor	Key: M-Key
CPU	System BIOS
<u>4th Gen Intel® Xeon® Scalable</u>	BIOS Type
processors	AMIUEFI
(/en/support/resources/cpu-4th-	BIOS Features
<u>gen-intel-xeon-scalable)</u>	ACPI6.4
Single Socket LGA-4677 (Socket E)	SMBIOS 3.5 or later
supported, CPU TDP supports Up to 350W	UEF12.8
TDP	Management Software
Core	
Up to 60 cores	Redfish API
System Memory	(/manuals/other/RedfishRefGuide.
Memory Capacity 8 DIMM slots	pdf), Supermicro Server Manager
Up to 2TB 3DS ECC RDIMM, DDR5-4800MHz	(SSM) (/solutions/SMS_SSM.cfm),
Memory Type	Supermicro Power Manager (SPM)
4800/4400/4000 MT/s ECC DDR5 RDIMM	(/solutions/SMS_SPM.cfm).
(3DS) Up to 256GB of memory with speeds	Supermicro Update Manager
of up to 4800MT/s (1DPC)	(SUM) (/solutions/SMS_SUM.cfm),
DIMM Sizes 16GB, 32GB, 64GB, 128GB, 256GB	SuperDoctor [®] 5
RDIMM: 16GB, 32GB, 64GB, 128GB, 256GB	<u>(/en/solutions/management-</u>
Memory Voltage	software/superdoctor), Super
1.1V	
Error Detection	<u>Diagnostics Offline</u>
Corrects single-bit errors	(/en/solutions/management-
On-Board Devices	<u>software/super-diagnostics-</u>
Chipset	<u>software/super-diagnostics-</u> offline). KVM with dedicated LAN
Chipset Intel® C741	
Chipset	offline). KVM with dedicated LAN
Chipset Intel® C741 SATA Intel® C741 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	offline). KVM with dedicated LAN (/manuals/other/BMC_IPMI_X13_
Chipet Intel® C741 SATA Intel® C741 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10 IPMI	offline), KVM with dedicated LAN (/manuals/other/BMC_IPMI_X13_ H13.pdf#page=112), IPMI 2.0 (/solutions/IPML.cfm)
Chipset Intel® C741 SATA Intel® C741 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10 IPMI ASPEED AST2600 BMC	offline). KVM with dedicated LAN (/manuals/other/BMC_IPMI_X13_ H13.pdf#page=112), IPMI 2.0
Chipset Intel® C741 SATA Intel® C741 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10 IPMI ASPEED AST2600 BMC Graphics	offline). KVM with dedicated LAN (/manuals/other/BMC_IPMI_X13_ H13.pdf#page=112). IPMI_2.0 (/solutions/IPMI.cfm). Security
Chipset Intel® C741 SATA Intel® C741 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10 IPMI ASPEED AST2600 BMC Graphics 1 Aspeed AST2600 BMC port(s)	offline). KVM with dedicated LAN (/manuals/other/BMC_IPML_X13_ H13.pdf#page=112). IPML2.0 (/solutions/IPML.cfm) Security Hardware
Chipset Intel® C741 SATA Intel® C741 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10 IPMI ASPEED AST2600 BMC Graphics	offline). KVM with dedicated LAN (/manuals/other/BMC_IPML_X13_ H13.pdf#page=112). IPMI 2.0 (/solutions/IPMI.cfm) Security Hardware Trusted Platform Module (TPM) 2.0 PC Health Monitoring Voltage
Chipset Intel® C741 SATA Intel® C741 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10 IPMI ASPEED AST2600 BMC Graphics 1 Aspeed AST2600 BMC port(s) Network Controllers	offline). KVM with dedicated LAN (/manuals/other/BMC_IPML X13_ H13.pdf#page=112). IPMI 2.0 (/solutions/IPML.cfm). Security Hardware Trusted Platform Module (TPM) 2.0 PC Health Monitoring VoRA; system level control, Supports
Chipset Intel® C741 SATA Intel® C741 controller for 10 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® 1350 Input / Output SATA	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 Healt Monitoring Voltage VBAT, System level control, Supports system management utility, Monitors
Chipset Intel® C741 SATA Intel® C741 controller for 10 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 16DE with Intel® 1350 Input / Output SATA 10 SATA3 (6Gbps) port(s)	offline). KVM with dedicated LAN (/manuals/other/BMC_IPML_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
Chipset Intel® C741 SATA Intel® C741 controller for 10 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® 1350 Input / Output SATA 10 SATA3 (6Gbps) port(s) LAN	offline). KVM with dedicated LAN (/manuals/other/BMC_IPMLX13_ H13.pdf#page=112). IPMI 2.0 (/solutions/IPMI.cfm). Security Hardware Trusted Platform Module (TPM) 2.0 PC Health Monitoring Voltage VORT, System level control, Supports system management utility, Monitors CPU voltages, Chipset Voltage, Chassis intrusion Header, 5-fan stutus, +3V
Chipset Intel® C741 SATA Intel® C741 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10 IPMI ASPEED AST2600 BMC Graphics ASPEED AST2600 BMC port(s) Network Controllers Dual LAN with 1GbE with Intel® 1350 Input / Output SATA 10 SATA3 (6Gbps) port(s) LAN 2 RJ45 Gigabit Ethernet LAN ports	offline). KVM with dedicated LAN (/manuals/other/BMC_IPML X13_ H13.pdf#page=112). IPMI 2.0 (/solutions/IPML.cfm). Security Hardware Trusted Platform Module (TPM) 2.0 PC Health Monitoring Voltage VoRA; System level control, Supports system management utility, Monitors CPU voltage, Chapset Voltage, Chassis intrusion header, 5-fan status, +5V standby, +5V, +3.3V, +12V LED
Chipset Intel® C741 SATA Intel® C741 controller for 10 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® 1350 Input / Output SATA 10 SATA3 (6Gbps) port(s) LAN	offline). KVM with dedicated LAN (/manuals/other/BMC_IPMLX13_ H13.pdf#page=112). IPMI 2.0 (/solutions/IPMI.cfm). Security Hardware Trusted Platform Module (TPM) 2.0 PC Health Monitoring Voltage Voltage VBAT, System level control, Supports system management utility, Monitors CPU voltages, Chipset Voltage, Chassis intrusion header, 5-fan status, +5V standby, +5V, +3.3V, +12V LED UID/Remote UID
Chipset Intel® C741 SATA Intel® C741 controller for 10 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® 1350 Input / Output SATA 10 SATA3 (6Gbps) port(s) LAN 2 RJ45 Gigabit Ethernet LAN ports 1 RJ45 Dedicated IPMI LAN port	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, 5-fan status, +5V standby, +5V, +3.3V, +12V LED UID/Remote UID CPU / System Overheat LED
Chipset Intel® C741 SATA Intel® C741 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10 IPM ASPEED AST2600 BMC Graphics 1 Aspeed AST2600 BMC port(s) Network Controllers Dual LAN with 16bE with Intel® 1350 Dual LAN with 16bE with Intel® 1350 Input / Output SATA 10 SATA3 (6Gbps) port(s) LAN 2 RJ43 Gigabit Ethernet LAN ports 1 RJ45 Dedicated IPMI LAN port USB 6 USB 2 port(s) (2 rear, 4 via header) 5 USB 3: Cen I port(s) (2 via header; 2	offline). KVM with dedicated LAN (/manuals/other/BMC_IPMLX13 H13.pdf#page=112). IPMI 2.0 (/solutions/IPMI.cfm) Security Hardware Trusted Platform Module (TPM) 2.0 PC Health Monitoring Voltage Voltage Voltage Voltage, Chipset Voltage, Chassis intrusion header, 5-fan stus, +3V standby, +5V, +3.3V, +12V LED UID/Remote UID CPU / System Overheat LED Temperature
Chipset Intel® C741 SATA Intel® C741 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10 IPMI ASPEED AST2600 BMC Graphics ASPEED AST2600 BMC port(s) Network Controllers Dual LAN with 1GbE with Intel® 1350 Input / Output SATA 10 SATA3 (6Gbps) port(s) LAN 0 SATA3 (6Gbps) port(s) LAN 2 RJ45 Gigabit Ethernet LAN ports 1 RJ45 Dedicated IPMI LAN port USB 6 USB 2 port(s) (2 via header; 2 rear; 11ype A)	offline). KVM with dedicated LAN (/manuals/other/BMC_IPMI_X13_ H13.pdf#page=112). JPMI_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, 5-fan status, +5V standby, +5V, +3.3V, +12V LED UUD/Remote UID CPU / System Overheat LED Temperature Monitoring for CPU and chassis
Chipset Intel® C741 SATA Intel® C741 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10 IPMI ASPEED AST2600 BMC Graphics 1 Aspeed AST2600 BMC port(s) Aspeed AST2600 BMC port(s) Network Controllers Dual LAN with 1GbE with Intel® 1350 Input / Output SATA 0 SATA3 (6Gbps) port(s) LN 2 RJ45 (6gbpis) port(s) LN 2 RJ45 Dedicated IPMI LAN port USB 6 USB 2 port(s) (2 rear, 4 via header) 5 USB 3.2 Gen1 port(s) (2 via header; 2 rear, 1 type A) Video Output	offline). KVM with dedicated LAN (/manuals/other/BMC_IPMLX13 H13.pdf#page=112). IPMI 2.0 (/solutions/IPMI.cfm) Security Hardware Trusted Platform Module (TPM) 2.0 PC Health Monitoring Voltage Voltage Voltage Voltage, Chipset Voltage, Chassis intrusion header, 5-fan stus, +3V standby, +5V, +3.3V, +12V LED UID/Remote UID CPU / System Overheat LED Temperature
Chipset Intel® C741 SATA Intel® C741 controller for 10 SATA3 (6 Gbps) ports, RAID 0.1,5,10 IPMI ASPEED AST2600 BMC Graphics TA Speed AST2600 BMC port(s) Network Controllers Dual LAN with 1GbE with Intel® 1350 Input / Output SATA 10 SATA3 (6Gbps) port(s) LAN 2 RJ45 Gigabit Ethernet LAN ports 1 RJ45 Dedicated IPMI LAN port USB 6 USB 2 port(s) (2 rear, 4 via header) S USB 3.2 Gen 1 port(s) (2 via header; 2 rear; 1 type A) Vick 0-Sub Connector port(s)	offline). KVM with dedicated LAN (/manuals/other/BMC_IPML X13_ H13.pdf#page=112). IPMI 2.0 (/solutions/IPML.cfm). Security Hardware Trusted Platform Module (TPM) 2.0 PC Health Monitoring Voltage Voltage Voltage Voltage. Chipset Voltage, Chassis intrusion header, 5-fan status, +5V standby, +5V, +3.3V, +12V LED UID/Remote UID CPU / System Overheat LED Temperature Monitoring for CPU and chassis environment CPU thermal trip support Thermal Knoitor 2 (TM2) support
Chipset Intel® C741 SATA Intel® C741 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10 IPMI ASPEED AST2600 BMC Graphics 1 Aspeed AST2600 BMC port(s) Aspeed AST2600 BMC port(s) Network Controllers Dual LAN with 1GbE with Intel® 1350 Input / Output SATA 0 SATA3 (6Gbps) port(s) LN 2 RJ45 (6gbpis) port(s) LN 2 RJ45 Dedicated IPMI LAN port USB 6 USB 2 port(s) (2 rear, 4 via header) 5 USB 3.2 Gen1 port(s) (2 via header; 2 rear, 1 type A) Video Output	offline). KVM with dedicated LAN. (/manuals/other/BMC_IPMLX13_ H13.pdf#page=112). IPMI 2.0 (/solutions/IPMI.cfm). Security Hardware Trusted Platform Module (TPM) 2.0 PC Health Monitoring Voltage Voltage Voltage. UVal7, System level control, Supports system management utility, Monitors CPU voltages, Chipset Voltage, Chassis intrusion header, 5-fan status, +5V standby, +5V, +3.3V, +12V LED UD//Remote UID CPU Voltagestrue Monitoring for CPU and chassis environment CPU thermal trip support Thermal Monitor 2 (TM2) support PECI
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Chipset Intel® C741 SATA Intel® C741 controller for 10 SATA3 (6 Gbps) ports, RAID 0.1,5,10 IPMI ASPEED AST2600 BMC Graphics I Aspeed AST2600 BMC port(s) Network Controllers Dual LAN with 1GbE with Intel® 1350 Input / Output SATA 10 SATA3 (foBps) port(s) ENN 2 RJ45 Gigabit Ethernet LAN ports 1 RJ45 Ode(ated IPMI LAN port USB 6 USB 2 port(s) (2 rear, 4 via header; 2 rear; 1 ype A) Video Output 1 VGA D-sub Connector port(s) SerialPort 1 CGM Port(s) (1 rear)	offline). KVM with dedicated LAN. (/manuals/other/BMC_IPMLX13_ H13.pdf#page=112). IPMI 2.0 (/solutions/IPMLcfm). Security Hardware Trusted Platform Module (TPM) 2.0 PC Health Monitoring Voltage Voltage Voltage, Chipset Voltage, Chassis intrusion header, 5-fan status, +5V standby, +5V, +3.3V, +12V LED UD/Remote UID CPU Jolgem Overheat LED Temperature Monitoring for CPU and chassis environment CPU thermal trip support Thermal Monitor 2 (TM2) support PECI FAN Sx4-pin fan headers (up to 5 fans)
Chipset Intel® C741 SATA Intel® C741 controller for 10 SATA3 (6 Gbps) ports, RAID 0.1,5,10 IPMI ASPEED AST2600 BMC Graphics Nator Kontrollers Dual LAN with 1GbE with Intel® 1350 Input / Output SATA 10 SATA3 (6Gbps) port(s) IAN 2 R4A5 Gigabit Ethernet LAN ports 1 R J4S Dedicated IPMI LAN port USB 6 USB 2 port(s) (2 rear, 4 via header; 2 rear; 1 type A) Video Output SerialPort 1 CGM Port(s) (1 rear) DOM 2 SATA <u>DOM (/ SATADOM/)</u> , (Disk on Module) power connector support	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 Voltage Voltage, Chipset Voltage, Chasis intrusion header, 5-fan status, +5V standby, +5V, +3.3V, +12V LED UID/Remote UID CPU / System Overheat LED Temperature Monitoring for CPU and chassis environment CPU themal trip support Thermal Monitor 2 (TM2) support PECI
Chipset Intel® C741 SATA Intel® C741 controller for 10 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® 1350 Input / Output SATA 10 SATA3 (6Gbps) port(s) LAN 2 RJ45 Gigabit Ethernet LAN ports 1 RJ45 Dedicated IPMI LAN port USB 2 Sata 4 Sub Context of the second seco	offline). KVM with dedicated LAN. (/manuals/other/BMC_IPMLX13_ H13.pdf#page=112). IPMI 2.0 (/solutions/IPMI.cfm). Security Hardware Trusted Platform Module (TPM) 2.0 PC Health Monitoring Voltage Voltage Voltage Voltage. Uvoltages, Chipset Voltage, Chassis intrusion header, 5-fan status, +5V standby, +5V, +3.3V, +12V EE0 UD/Remote UID CPU voltages.or Overheat LED Temperature Monitoring for CPU and chassis environment CPU thermal trip support Thermal Monitor 2 (TM2) support PECI FAN Sx4-pin fan headers (up to 5 fans) Fan speed control 5 fans with tachometer status monitoring Overheat LED indication
Chipset Intel® C741 SATA Intel® C741 controller for 10 SATA3 (6 Gbps) ports, RAID 0.1,5,10 IPMI ASPEED AST2600 BMC Graphics Nator Kontrollers Dual LAN with 1GbE with Intel® 1350 Input / Output SATA 10 SATA3 (6Gbps) port(s) IAN 2 R4A5 Gigabit Ethernet LAN ports 1 R J4S Dedicated IPMI LAN port USB 6 USB 2 port(s) (2 rear, 4 via header; 2 rear; 1 type A) Video Output SerialPort 1 CGM Port(s) (1 rear) DOM 2 SATA <u>DOM (/ SATADOM/)</u> , (Disk on Module) power connector support	offline). KVM with dedicated LAN. (/manuals/other/BMC_IPMLX13_ 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, 5-fan status, +5V standby, +5V, +3.3V, +12V LED UID/Remote UID CPU / System Overheat LED Temperature Monitoring for CPU and chassis environment CPU thermal trip support Thermal Monitor 2 (TM2) support FAN Sx4-pin fan headers (up to Sfans) Fan speed control Sfans with tachometer status monitoring Overheat LED Indication Other Fatures
Chipset Intel® C741 SATA Intel® C741 controller for 10 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® 1350 Input / Output SATA 10 SATA3 (6Gbps) port(s) LAN 2 RJ45 Gigabit Ethernet LAN ports 1 RJ45 Dedicated IPMI LAN port USB 2 Sata 4 Sub Context of the second seco	offline). KVM with dedicated LAN. (/manuals/other/BMC_IPMLX13_ H13.pdf#page=112). IPMI 2.0 (/solutions/IPMLcfm). Security Hardware Trusted Platform Module (TPM) 2.0 PC Health Monitoring Voltage Voltage Voltage Voltage, Chipset Voltage, Chassis intrusion header, 5 - fan status, +5V standby, +5V, +3.3V, +12V EED UD/Remote UID CPU yoltage moverheat LED Temperature Monitoring for CPU and chassis environment CPU thermal trip support Thermal Monitor 2 (TM2) support PECI FAN Sx4-pin fan headers (up to 5 fans) Fan speed control S fans with tachometer status monitoring Overheat LED indication Work_UDR, Node Manager Support, M.2
Chipset Intel® C741 SATA Intel® C741 controller for 10 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® 1350 Input / Output SATA 10 SATA3 (6Gbps) port(s) LAN 2 RJ45 Gigabit Ethernet LAN ports 1 RJ45 Dedicated IPMI LAN port USB 2 Sata 4 Sub Context of the second seco	offline). KVM with dedicated LAN. (/manuals/other/BMC_IPMLX13_ H13.pdf#page=112). IPMI 2.0 //solutions/IPMI.cfm). Security Hardware Trusted Platform Module (TPM) 2.0 PC Health Monitoring Voltage Voltage Voltage Voltage Uolges, Chipset Voltage, Chassis intrusion header, 5-fan stus, +5V standby, +5V, +3.3V, +12V ED UID/Remote UID CPU / System Overheat LED Temperature Monitoring for CPU and chassis environment CPU themal trip support PECI FAN Sx4-pin fan headers (up to 5 fans) Fan speed control Sfans with tachometer status monitoring Overheat LED indication Mol, UID, Node Manager Support, M.2 NGF control SA-pin fan headers (up to 5 fans) Fan speed control Sfans with tachometer status monitoring Overheat LED indication MOL, UID, Node Manager Support, M.2 NGF conteoto, Control of power-on for
Chipset Intel® C741 SATA Intel® C741 controller for 10 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® 1350 Input / Output SATA 10 SATA3 (6Gbps) port(s) LAN 2 RJ45 Gigabit Ethernet LAN ports 1 RJ45 Dedicated IPMI LAN port USB 2 Sata 4 Sub Context of the second seco	offline). KVM with dedicated LAN. (/manuals/other/BMC_IPMLX13_ H13.pdf#page=112). IPMI 2.0 (/solutions/IPMLcfm). Security Hardware Trusted Platform Module (TPM) 2.0 PC Health Monitoring Voltage Voltage Voltage Voltage, Chipset Voltage, Chassis intrusion header, 5 - fan status, +5V standby, +5V, +3.3V, +12V EED UD/Remote UID CPU yoltage moverheat LED Temperature Monitoring for CPU and chassis environment CPU thermal trip support Thermal Monitor 2 (TM2) support PECI FAN Sx4-pin fan headers (up to 5 fans) Fan speed control S fans with tachometer status monitoring Overheat LED indication Work_UDR, Node Manager Support, M.2

management

Parts List

Standard Parts (Bulk Package)

Standard Parts (Bul	lk Package)		
CPU carrier			
Part Number		SKT-1424L-001B-FXC	
Qty		1	
Description		CPU carrier for 4th Gen Intel® Xeon® Scalable processors (MCC)	
I/O Shield			
Part Number	MCP-260-00042-0N • @Store		
	(https://store.supermicro.com/mcp-260-		
	00042-0n.html)		
Qty	1		
Description	STD I/O Shield for X13SEM-TF/-F with EMI Gasket		
SATA cable			
Part Number	CBL-0044L • @Store		
	(https://store.supermicro.com/supermicr	0-	
	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-FXC	
Qty		1	
Description		CPU carrier for 4th Gen Intel® Xeon® Scalable processors (MCC)	
I/O Shield			
Part Number	MCP-260-00042-0N • @Store		
	(https://store.supermicro.com/mcp-260-		
	00042-0n.html)		
Qty	1		
Description	STD I/O Shield for X13SEM-TF/-F with EMI Gasket		
QRG			
Part Number	MNL-2408-QRG		
Qty	1		
Description	Quick Reference Guide		
SATA cable			
Part Number	CBL-0044L • @Store		
	(https://store.supermicro.com/supermicr	<u>0-</u>	
	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		
		Global SKU (/en/products/SMC_global_skus)	
		otobal sko (reinproducts/sMC_global_skus)	