

Supermicro MBD-X11SSH-TF, Single SKT, Intel C236 Chipset, SATA, 2x10GbE, IPMI,M.2 Bulk

Part number: MBD-X11SSH-TF-B



Category	Server
Form Factor	Micro-ATX
Dimensions	9.6" x 9.6"
CPU Socket	LGA 1151 (Socket H4)
# of CPU sockets	1
Supported CPU's	Intel Xeon E3-1200v5
Chipset	Intel C236 Skylake
Memory Type	DDR4 ECC UDIMM
Memory Speed	2133 MHz 1866 MHz 1600 MHz
# of DIMM's	4
Max Memory Size	64 GB
Integrated GPU	Aspeed AST2400
# of PCIe x8 3.0	1
# of USB Ports	2 x USB 3.0 (rear) 2 x USB 3.0 (header) 1 x USB 3.0 Type A 2 x USB 2.0 (rear) 4 x USB 2.0 (header)
# of SATA Ports	8
# of SATA DOM power	2
Storage Controllers	8 x AHCI iSATA 6Gb/s
Integrated RAID	0,1,5,10
# of Serial Ports	1 x Fast UART 16550 (rear) 1 x Fast UART 16550 (header)
# of 10GbE Ports	2 x RJ45
Network Controllers	Intel x550 Dual Port 10 Gigabit Base-T
Integrated BMC	IPMI Dedicated RJ45
BMC chip	Aspeed AST2400
TPM	1 x TPM 1.2 20-pin Header

Product SKUs	Expansion Slots
<input type="checkbox"/> MBD-X11SSH-TF • X11SSH-TF (Bulk Pack)	<input type="checkbox"/>
Physical Stats	PCI-E
<input type="checkbox"/>	<ul style="list-style-type: none"> • 1 PCI-E 3.0 x8 • 1 PCI-E 3.0 x2 (in x4 slot) • M.2 Interface: PCIe 3.0 x4 • M.2 Form Factor: 2260
Form Factor • Micro-ATX	System BIOS
Dimensions • 9.6" x 9.6" (24.38cm x 24.38cm)	<input type="checkbox"/>
Processor/Cache	BIOS Type
<input type="checkbox"/>	<ul style="list-style-type: none"> • 128Mb SPI Flash EEPROM with AMI BIOS • APM 1.2 • DMI 2.3 • PCI 2.3 • Plug and Play (PnP)
CPU	BIOS Features
<ul style="list-style-type: none"> • Intel® 6th Generation Core™ i3 series • Intel® Celeron® • Intel® Pentium® • Intel® Xeon® processor E3-1200 v5 series • Socket H4 (LGA 1151) supported; CPU TDP support 80W 	<ul style="list-style-type: none"> • ACPI 1.0 / 2.0 / 3.0 / 4.0 • USB Keyboard support • Hardware BIOS Virus protection • UEFI 2.3.1 • SMBIOS 2.7.1 • RTC (Real Time Clock) Wakeup
System Memory	Management
Memory Capacity	<input type="checkbox"/>
<ul style="list-style-type: none"> • 64GB Unbuffered ECC UDIMM, DDR4-2133MHz, in 4 DIMM slots • 2133/1866/1600MHz ECC DDR4 SDRAM 72-bit, 288-pin (UDIMM) gold-plated DIMMs 	<ul style="list-style-type: none"> • Intel® Node Manager, IPMI2.0, NMI, SPM, SSM, SUM, SuperDoctor® 5, Watchdog
Memory Type	Software
SDRAM 72-bit, 288-pin (UDIMM)	<ul style="list-style-type: none"> • ACPI Power Management
DIMM Sizes	Power Configurations
4GB, 8GB, 16GB	<ul style="list-style-type: none"> • Power-on mode for AC power recovery
Memory Voltage	PC Health Monitoring
1.2 V	<input type="checkbox"/>
Error Detection	<ul style="list-style-type: none"> • +12V, +3.3V, +5V, +5V standby, Chassis intrusion header, Monitors CPU voltages, Supports system management utility, System level control, VBAT
<ul style="list-style-type: none"> • Corrects single-bit errors • Detects double-bit errors (using ECC memory) 	<ul style="list-style-type: none"> • 6x 4-pin fan headers (up to 6 fans), Fan speed control, Overheat LED indication, Thermal control tachometer fan connectors
On-Board Devices	FAN
Chipset	<ul style="list-style-type: none"> • Monitoring for CPU and chassis environment
Intel® C236	Temperature
SATA	<ul style="list-style-type: none"> • PECI • Thermal Monitor 2 (TM2) support • CPU thermal trip support
Intel® C236 controller for 8 SATA3 (6 Gbps) ports; RAID 0,1,5,10	LED
Network	<ul style="list-style-type: none"> • CPU / System Overheat LED • UID/Remote UID
Dual LAN with Intel® X550	<ul style="list-style-type: none"> • Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, M.2 NGFF connector, Node Manager Support, WOL
Network Controllers	Other Features
10GBase-T Ethernet Controller	<ul style="list-style-type: none"> • Support, WOL
Graphics	Operating Environment
Aspeed AST2400 BMC	Operating
Input / Output	Temperature
<input type="checkbox"/>	<ul style="list-style-type: none"> • 0°C ~ 50°C (32°F ~ 122°F) Range
USB	Non-Operating
<ul style="list-style-type: none"> • 6 USB 2.0 ports (2 rear, 4 via header) • 5 USB 3.0 ports (2 rear, 2 via header, 1 Type A) 	Temperature
Video Output	<ul style="list-style-type: none"> • -40°C - 70°C (-40°F - 158°F) Range
<ul style="list-style-type: none"> • 1 VGA • 1 Aspeed AST2400 BMC 	Operating
Serial Port / Header	Relative Humidity
<ul style="list-style-type: none"> • 2 COM Ports (1 rear, 1 header) 	<ul style="list-style-type: none"> • 8% - 90% (non-condensing) Range
TPM	Non-Operating
Header	Relative Humidity
	<ul style="list-style-type: none"> • Range

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