

Supermicro MBD-X11SAE, Single SKT, Intel C236 Chipset, SATA, 2xGbE,M.2

Part number: MBD-X11SAE-O



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|---------------------|--|
| Category | Workstation |
| Form Factor | ATX |
| Dimensions | 12" x 9.6" |
| CPU Socket | LGA 1151 (Socket H4) |
| # of CPU sockets | 1 |
| Supported CPU's | Intel Xeon E3-1200v5 Intel Core 6th Gen. |
| Chipset | Intel C236 Skylake |
| Memory Type | DDR4 ECC UDIMM DDR4 non-ECC UDIMM |
| Memory Speed | 2133 MHz 1866 MHz 1600 MHz |
| # of DIMM's | 4 |
| Max Memory Size | 64 GB |
| # of PCIe x16 3.0 | 2 |
| # of USB Ports | 2 x USB 3.1 (rear) 2 x USB 3.0 (rear) 4 x USB 3.0 (header) 2 x USB 2.0 (rear) 6 x USB 2.0 (header) |
| # of SATA Ports | 8 |
| Storage Controllers | 8 x AHCI iSATA 6Gb/s |
| Integrated RAID | 0,1,5,10 |
| # of Serial Ports | 2 x Fast UART 16550 (header) |
| # of 1GbE Ports | 2 x RJ45 |
| Network Controllers | Intel i219LM Port Gigabit Ethernet Intel i210AT Port Gigabit Ethernet |
| TPM | 1 x TPM 1.2 20-pin Header |

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| Product SKUs | | Expansion Slots | |
| MBD-X11SAE • X11SAE (Bulk Pack) | | <ul style="list-style-type: none"> • 2 PCI-E 3.0 x16 • 3 PCI-E 3.0 x1 | |
| Physical Stats | | PCI-E | |
| Form Factor • ATX | | <ul style="list-style-type: none"> • 2 - 5V PCI 32bit • ***2 PCIe x16 slots are running at x16/NA or x8/x8 *** | |
| Dimensions • 12" x 9.6" (30.48cm x 24.38cm) | | | |
| Processor/Cache | | System BIOS | |
| <ul style="list-style-type: none"> • Intel® 6th Generation Core™ i3 series • Intel® 6th Generation Core™ i5 series • Intel® 6th Generation Core™ i7 series • Intel® Xeon® processor E3-1200 v5 series • Socket H4 (LGA 1151) supported; CPU TDP support Up to 95W TDP | | <ul style="list-style-type: none"> • AMI UEFI • Plug and Play (PnP) • DMI 2.3 • PCI 3.0 • ACPI 5.0 | |
| CPU | | <ul style="list-style-type: none"> • USB Keyboard support • Hardware BIOS Virus protection • SMBIOS 3.0 • UEFI 2.3.1 • RTC (Real Time Clock) Wakeup | |
| System Memory | | Management | |
| <ul style="list-style-type: none"> • 64GB Unbuffered ECC/non-ECC UDIMM, DDR4-2133MHz, in 4 DIMM slots | | <ul style="list-style-type: none"> • AMT, SuperDoctor® 5, vPro, Watchdog • ACPI Power Management • Keyboard Wakeup from Soft-Off | |
| <ul style="list-style-type: none"> • 2133/1866/1600MHz ECC DDR4 SDRAM 72-bit, 288-pin (UDIMM) gold-plated DIMMs | | <ul style="list-style-type: none"> • CPU Fan auto-off in sleep mode • Power-on mode for AC power recovery | |
| <ul style="list-style-type: none"> • 4GB, 8GB, 16GB | | | |
| <ul style="list-style-type: none"> • 1.2 V | | PC Health Monitoring | |
| <ul style="list-style-type: none"> • Corrects single-bit errors • Detects double-bit errors (using ECC memory) | | <ul style="list-style-type: none"> • +12V, +3.3V, +5V, Chassis intrusion header, Monitors CPU voltages, VBAT • Total of 5 fan headers supporting up to 5 fans • Fan speed control • Overheat LED indication • CPU thermal trip support • I2C temperature sensing logic • PECI • Thermal Monitor 2 (TM2) support • CPU / System Overheat LED • Suspend static indicator LED • UID/Remote UID • 8-pin 12v DC power connector, ATX Power connector, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, Intel Smart Response Technology, WOL | |
| On-Board Devices | | FAN | |
| <ul style="list-style-type: none"> • Intel® C236 • Intel® C236 controller for 8 SATA3 (6 Gbps) ports; RAID 0,1,5,10; + 1 PCIe M.2(PCIe x4, 2242/2260/2280)(No Raid Support) • Single LAN with Intel® Ethernet Controller I210-AT • Single LAN with Intel® PHY I219LM LAN controller | | <ul style="list-style-type: none"> • 8-pin 12v DC power connector, ATX Power connector, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, Intel Smart Response Technology, WOL | |
| SATA | | Temperature | |
| <ul style="list-style-type: none"> • ALC 888S HD Audio | | LED | |
| Network Controllers | | Other Features | |
| Input / Output | | | |
| <ul style="list-style-type: none"> • 8 USB 2.0 ports (2 rear, 6 via header) • 6 USB 3.0 ports (2 rear, 4 via header) • 2 USB 3.1 ports (2 Rear) • 1 DVI - D, 1 DP (DisplayPort), 1 HDMI • 2 COM Ports (2 headers) • 1x TPM 2.0 Header | | | |
| USB | | | |
| Video Output | | | |
| Serial Port / Header | | | |
| TPM | | | |

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