

Supermicro MBD-X11SAE-F, Single SKT, Intel C236 Chipset, SATA, 2xGbE, shared IPMI, M.2 Bulk

Kod producenta: MBD-X11SAE-F-B



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
Integrated GPU	Aspeed AST2400
# 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) 4 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 (Share with IPMI)
BMC chip	Aspeed AST2400
TPM	1 x TPM 1.2 20-pin Header
Uwagi	PCI-Express Slots Configuration: 1xPCI-E M.2(PCI-E x4, 2242/2260/2280) 2 x PCI-E 3.0 x16 (run at 16/NA or 8/8) slots 2 x PCI-E 3.0 x1 slots 2 x 5V PCI 32-bit slots

Product SKUs		Expansion Slots	
MBD-X11SAE-F • X11SAE-F (Bulk Pack)		PCI-E	• 2 PCI-E 3.0 x16 • 2 PCI-E 3.0 x1 • 2 - 5V PCI 32bit • ***2 PCIe x16 slots are running at x16/NA or x8/x8 ***
Physical Stats			
Form Factor • ATX			
Dimensions • 12" x 9.6" (30.48cm x 24.38cm)			
Processor/Cache		System BIOS	
CPU	• 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	BIOS Type	• AMI UEFI • Plug and Play (PnP) • DMI 2.3 • PCI 3.0 • ACPI 5.0
		BIOS Features	• USB Keyboard support • Hardware BIOS Virus protection • SMBIOS 3.0 • UEFI 2.3.1 • RTC (Real Time Clock) Wakeup
System Memory		Management	
Memory Capacity	• Up to 64GB Unbuffered ECC/non-ECC UDIMM, DDR4-2133MHz, in 4 DIMM slots • 4x 288-pin DDR4 DIMM slots, Up to 64GB DDR4 ECC UDIMM • 2133/1866/1600MHz ECC DDR4 SDRAM 72-bit, 288-pin (UDIMM) gold-plated DIMMs	Software	• IPMI2.0, SPM, SuperDoctor® 5, Watchdog • ACPI Power Management • Keyboard Wakeup from Soft-Off
		Power Configurations	• CPU Fan auto-off in sleep mode • Power-on mode for AC power recovery
Memory Type	SDRAM 72-bit, 288-pin (UDIMM)	PC Health Monitoring	
DIMM Sizes	• 4GB, 8GB, 16GB	Voltage	• +12V, +3.3V, +5V, +5V standby, Chassis intrusion header, Monitors CPU voltages, VBAT • Total of 5 fan headers supporting up to 5 fans
Memory Voltage	• 1.2 V		
Error Detection	• Corrects single-bit errors • Detects double-bit errors (using ECC memory)	FAN	• Fan speed control • Overheat LED indication
On-Board Devices		Temperature	• CPU thermal trip support • I2C temperature sensing logic • PECI • Thermal Monitor 2 (TM2) support
Chipset	• 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)		
SATA	• Single LAN with Intel® Ethernet Controller I210-AT (Share with IPMI) • Single LAN with Intel® PHY I219LM LAN controller	LED	• CPU / System Overheat LED • Suspend static indicator LED • UID/Remote UID
Network Controllers		Other Features	• 8-pin 12v DC power connector, ACPI power management, 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
Audio	• ALC 888S HD Audio		
Graphics	• Aspeed AST2400 BMC		
Input / Output			
USB	• 6 USB 2.0 ports (2 rear, 4 via header) • 6 USB 3.0 ports (2 rear, 4 via header) • 2 USB 3.1 ports (2 rear)		
Video Output	• 1 DVI - D, 1 DP (DisplayPort), 1 HDMI, 1 VGA • 1 Aspeed AST2400 BMC • ***VGA is for IPMI only***		
Serial Port / Header	• 2 COM Ports (2 headers)		
TPM	• 1 TPM 2.0 Header		

