

Supermicro MBD-X11SSZ-F, Single SKT, Intel C236 Chipset, SATA, 2xGbE, IPMI, AMT

Kod producenta: MBD-X11SSZ-F-O



Category	Embedded
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 Intel Xeon E3-1200v6 Intel Core 7th Gen. Intel Core 6th Gen.
Chipset	Intel C236 Skylake
Memory Type	DDR4 ECC UDIMM DDR4 non-ECC UDIMM
Memory Speed	2400 MHz 2133 MHz 1866 MHz 1600 MHz
# of DIMM's	4
Max Memory Size	64 GB
Integrated GPU	Aspeed AST2400
# of PCIe x16 3.0	1
# of PCIe x4 3.0	2
# of USB Ports	2 x USB 3.0 (rear) 2 x USB 3.0 (header) 2 x USB 2.0 (rear) 6 x USB 2.0 (header) 1 x USB 2.0 Type A
# of SATA Ports	4
Storage Controllers	4 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
Integrated BMC	IPMI Dedicated RJ45
BMC chip	Aspeed AST2400
TPM	1 x TPM 1.2 20-pin Header
Uwagi	PCI-Express Slots Configuration: 1x PCI-E 3.0 x16 (in x16) slot 2x PCI-E 3.0 x4 (in x8) slots

Product SKUs		Expansion Slots		
MBD-X11SSZ-F • X11SSZ-F (Bulk Pack)		PCI-E	• 1 PCI-E 3.0 x16 (in x16 slot) • 2 PCI-E 3.0 x4 (in x8 slot)	
Physical Stats				
Form Factor • Micro-ATX		System BIOS		
Dimensions • 9.6" x 9.6" (24.38cm x 24.38cm)		BIOS Type	• AMI UEFI • Plug and Play (PnP) • APM 1.2 • DMI 2.3 • PCI 2.3	
Processor/Cache		BIOS Features	• ACPI 1.0 / 2.0 / 3.0 / 4.0 • Hardware BIOS Virus protection • USB Keyboard support • SMBIOS 2.7.1 • UEFI 2.3.1	
CPU	• Intel® 6th Generation Core™ i3 series • Intel® 6th Generation Core™ i5 series • Intel® 6th Generation Core™ i7 series • Intel® 7th Generation Core™ i3 series • Intel® 7th Generation Core™ i5 series • Intel® 7th Generation Core™ i7 series	Management		
	• Intel® Celeron® • Intel® Pentium® • Intel® Xeon® processor E3-1200 v5 series • Intel® Xeon® Processor E3-1200 v6 series	Software	• AMT • IPMI2.0 • KVM with dedicated LAN • NMI • SuperDoctor® 5 • vPro • Watchdog	
	• Socket H4 (LGA 1151) supported; CPU TDP support Up to 91W	Power Configurations	• ACPI Power Management • Power-on mode for AC power recovery	
	• BIOS version 2.0 or above is required to support 7th Generation Intel® Core™ Processors and Intel® Xeon® Processor E3-1200 v6 series	PC Health Monitoring		
Note		Voltage	• +1.8V, +12V, +3.3V, +5V, +5V standby, 1.2V (VDIMM), 6-fan status, Chassis intrusion header, Monitors CPU voltages, Supports system management utility, System level control, VBAT • 6x 4-pin fan headers (up to 6 fans) • 6 fans with tachometer status monitoring • Fan speed control • Overheat LED indication	
System Memory		FAN	• Pulse Width Modulated (PWM) fan connectors • PWM fan speed control • System level control • Thermal control tachometer fan connectors • Monitoring for CPU and chassis environment	
Memory Capacity	• Up to 64GB Unbuffered ECC/non-ECC UDIMM, DDR4-2400MHz, in 4 DIMM slots	Temperature	• CPU thermal trip support • I2C temperature sensing logic • Thermal Monitor 2 (TM2) support • PECI	
Memory Type	• 2400/2133/1866MHz ECC DDR4 SDRAM 72/64-bit, 288-pin (UDIMM) gold-plated DIMMs		LED	• CPU / System Overheat LED • UID/Remote UID • 8-pin 12v DC power connector • ACPI power management • ATX Power connector • Chassis intrusion header • Control of power-on for recovery from AC power loss • CPU thermal trip support for processor protection • Intel Smart Response Technology • RoHS • System level control • UID • WOL
DIMM Sizes	• 4GB, 8GB, 16GB		Other Features	
Memory Voltage	• 1.2V			
Error Detection	• Corrects single-bit errors • Detects double-bit errors (using ECC memory)			
On-Board Devices				
Chipset	• Intel® C236 • Intel® C236 controller for 4 SATA3 (6 Gbps) ports; RAID 0,1,5,10			
SATA	• Intel RSTe • Single Intel® PHY I219LM LAN controller			
Network Controllers	• Single Intel® Ethernet Controller I210-AT			
Audio	• ALC 888S HD Audio			
Graphics	• Intel® HD Graphics, Aspeed AST2400 BMC			
Input / Output				
USB	• 9 USB 2.0 ports (2 rear, 6 via header(s), 1 Type A) • 4 USB 3.0 ports (2 rear, 2 via header(s))	Operating Environment		
	• 2 DP (DisplayPort) port(s), 1 DVI - I port(s), 1 VGA port(s)	Operating Temperature Range	• 0°C ~ 60°C (32°F ~ 140°F)	
Serial Port / Header	• 2 COM Ports (2 header(s))	Non-Operating Temperature Range	• -20°C ~ 60°C (-4°F ~ 140°F)	
TPM	• 1 TPM 2.0 Header	Operating Relative Humidity Range	• 10% ~ 85% (non-condensing)	
		Non-Operating Relative Humidity Range		

Strona firmowa produktu:
<https://www.superstorage.pl/supermicro-mbd-x11ssz-single-skt-intel-c236-chipset-sata-2xgbe-ipmi-amt-p-2993.html>