

Supermicro MBD-X11SSV-Q, Single SKT, Intel Q170 Chipset, SATA, 2xGbE, M.2 Bulk

Kod producenta: MBD-X11SSV-Q-B



Category	Embedded
Form Factor	Mini-ITX
Dimensions	6.7" x 6.7"
CPU Socket	LGA 1151 (Socket H4)
# of CPU sockets	1
Supported CPU's	Intel Core 7th Gen. Intel Core 6th Gen.
Chipset	Intel Q170 Express
Memory Type	DDR4 non-ECC SODIMM
Memory Speed	2400 MHz 2133 MHz 1866 MHz
# of DIMM's	2
Max Memory Size	32 GB
Integrated GPU	Intel HD Graphics
# of PCIe x16 3.0	1
# of USB Ports	4 x USB 3.0 (rear) 2 x USB 3.0 (header) 4 x USB 2.0 (header) 1 x USB 2.0 Type A
# of SATA Ports	5
Storage Controllers	5 x AHCI iSATA 6Gb/s
Integrated RAID	0,1,5,10
# of Serial Ports	2 x Fast UART 16550 (rear)
# 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
Uwagi	PCI-Express Slots Configuration: 1x PCI-E 3.0 x16 slot M.2 PCI-E 3.0 x4 with SATA support M.2 Form Factor:2242, 2280

Product SKUs		Expansion Slots	
MBD-X11SSV-Q • X11SSV-Q (Bulk Pack)		PCI-E	• 1 PCI-E 3.0 x16
Physical Stats			• Mini-PCIe with mSATA support, M.2
Form Factor • Mini-ITX		M.2	PCI-E 3.0 x4 with SATA support, M Key
Dimensions • 6.7" x 6.7" (17.02cm x 17.02cm)			• Form Factor: 2242, 2280
Processor/Cache		System BIOS	
CPU	• Intel® 6th Generation Core™ i3 series	BIOS Type	• AMI UEFI
	• Intel® 6th Generation Core™ i5 series		• ACPI 5.0
	• Intel® 6th Generation Core™ i7 series	BIOS Features	• DMI 2.3
	• Intel® 7th Generation Core™ i3 series		• PCI 3.0
	• Intel® 7th Generation Core™ i5 series		• Plug and Play (PnP)
	• Intel® 7th Generation Core™ i7 series		• SMBIOS 3.0
Note	• Intel® Celeron®	Management	• UEFI 2.3.1
	• Intel® Pentium®		• USB Keyboard support
	• Socket LGA 1151 supported; CPU TDP support Up to 91W		
System Memory		Software	
Memory Capacity	• Up to 32GB Unbuffered non-ECC SO-DIMM, DDR4-2400MHz, in 2 DIMM slots	Power Configurations	• SuperDoctor® 5
Memory Type	• 2400/2133/1866MHz Non-ECC DDR4 SDRAM 72-bit, 260-pin gold-plated SODIMMs		• vPro
DIMM Sizes	• 4GB, 8GB, 16GB	PC Health Monitoring	• Watchdog
Memory Voltage	• 1.2V		• ACPI Power Management
Error Detection	• N/A	Voltage	• Power-on mode for AC power recovery
On-Board Devices			
Chipset	• Intel® Q170 Express	FAN	• +12V, +3.3V, +5V, +5V standby, 1.05 (PCH), 1.2V (VDIMM), 4 -fan status, Chassis intrusion header, Monitors CPU voltages, Supports system management utility, System level control, VBAT
SATA	• Intel® Q170 Express controller for 5 SATA3 (6 Gbps) ports; RAID 0,1,5,10		• 4x 4-pin fan headers (up to 4 fans)
Network Controllers	• Intel RST	LED	• Pulse Width Modulated (PWM) fan connectors
Audio	• Single Intel® PHY I219LM LAN controller		• PWM fan speed control
Graphics	• Single Intel® Ethernet Controller I210-AT	Other Features	• System level control
Input / Output			• Thermal control tachometer fan connectors
USB	• 5 USB 2.0 ports (4 via header(s), 1 Type A)	Temperature	• Monitoring for CPU and chassis environment
	• 6 USB 3.0 ports (4 rear, 2 via header(s))		• CPU thermal trip support
Video Output	• 1 HDMI port(s), 1 DP (DisplayPort) port(s), 1 DVI - I port(s)	LED	• Thermal Monitor 2 (TM2) support
	Serial Port / Header		• PECI
TPM	• TPM Header	Other Features	• CPU / System Overheat LED
Others	• SGPIO Header, SMBus header, GPIO		• Standby alert LED
		Operating Environment	• 8-pin 12v DC power connector
			• ACPI power management
		Operating Temperature Range	• ATX Power connector
			• Chassis intrusion header
		Non-Operating Temperature Range	• Control of power-on for recovery from AC power loss
			• CPU thermal trip support for processor protection
		Operating Relative Humidity Range	• Intel Smart Response Technology
			• M.2 NGFF connector
		Non-Operating Relative Humidity Range	• RoHS
			• System level control
		Operating Relative Humidity Range	• WOL
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