

Supermicro MBD-X9DRD-iT+, Dual SKT, Intel C602 Chipset, SATA, 2x10GbE, IPMI

Kod producenta: MBD-X9DRD-iT+-O



Form Factor	EE-ATX
Dimensions	13.7" x 13"
CPU Socket	LGA 2011 (Socket R)
# of CPU sockets	2
Supported CPU's	Intel Xeon E5-2600v2 Intel Xeon E5-2600
Chipset	Intel C602 Patsburg
Memory Type	DDR3 ECC LRDIMM DDR3 ECC RDIMM DDR3 ECC UDIMM DDR3 non-ECC UDIMM
Memory Speed	1866 MHz 1600 MHz 1333 MHz 1066 MHz 800 MHz
# of DIMM's	24
Max Memory Size	1536 GB
Integrated GPU	Nuvoton WPCM450
# of USB Ports	4 x USB 2.0 (rear) 2 x USB 2.0 (header) 1 x USB 2.0 Type A
# of SATA Ports	10
# of SATA DOM power	2
# of NVMe ports	2
Storage Controllers	2 x AHCI iSATA 6Gb/s 4 x AHCI iSATA 3Gb/s 4 x sSATA 3Gb/s
Integrated RAID	0,1,5,10
# of Serial Ports	1 x Fast UART 16550 (rear)
# of 10GbE Ports	2 x Base-T
Network Controllers	Intel x540 Dual Port 10 Gigabit Base-T
Integrated BMC	IPMI 2.0 KVM-over-LAN Virtual Media over LAN IPMI Dedicated RJ45 PHY
BMC chip	Nuvoton WPCM450
TPM	1 x TPM 1.2 20-pin Header
Uwagi	PCI-Express Slots Configuration: 1x PCI-E 3.0 x32 Left Riser slot

Product SKUs		Chassis (Optimized for X9DRD-IT+)
MBD-X9DRD-IT+ -O	• X9DRD-IT+ (Standard Retail Pack)	1U Chassis • CSE-815TQ-600WB
MBD-X9DRD-IT+ -B	• X9DRD-IT+ (Bulk Pack)	• To support the new generation Intel® Xeon® processor-based motherboards, Revision M chassis is recommended. Please talk to your sales representative for details.
Physical Stats		Important Chassis Notes
Form Factor	• Enhanced Extended ATX	
Dimensions	• 13.68" x 13" (34.74cm x 33cm)	SuperServer(s) with X9DRD-IT+
Processor/Cache		Model(s)
CPU	• Dual Socket R (LGA 2011) • Intel® Xeon® processor E5-2600 and E5-2600 v2 family [†] (up to 135W TDP **)	• SYS-6017R-TDT+ • SYS-6027R-TDT+
Note	† BIOS version 3.0 or above is required	Expansion Slots
Note	** Motherboard supports this maximum TDP. Please verify your system can thermally support.	PCI-Express • 1x PCI-E 3.0 x32 left riser slot
Cache	• Up to 30MB	System BIOS
System Bus	• QPI up to 8 GT/s	BIOS Type
System Memory		• 128Mb SPI Flash EEPROM with AMI BIOS • Plug and Play (PnP) • APM 1.2 • DMI 2.3 • PCI 2.3
Memory Capacity	• 24x 240-pin DDR3 DIMM slots • Up to 1.5TB DDR3 ECC LRDIMM • Up to 768GB DDR3 ECC RDIMM • Up to 128GB DDR3 ECC/non-ECC UDIMM • 1866/1600/1333/1066/800MHz* ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs • Support ECC and non-ECC UDIMMs	BIOS Features
Memory Type		• ACPI 1.0 / 2.0 / 3.0 / 4.0 • BIOS rescue hot keys • USB Keyboard support • SMBIOS 2.7.1 • UEFI 2.3.1
DIMM Sizes	• 32GB, 16GB, 8GB, 4GB, 2GB, 1GB, 64GB LRDIMM	Management
Memory Voltage	• 1.5 V, 1.35 V	Software
Error Detection	• Corrects single-bit errors • Detects double-bit errors (using ECC memory)	• Intel® Node Manager • IPMI 2.0 • NMI • SuperDoctor® 5 • Watch Dog • ACPI / APM Power Management • CPU Fan auto-off in sleep mode
On-Board Devices		Power Configurations • Power-on mode for AC power recovery
Chipset	• Intel® C602 chipset	PC Health Monitoring
AHCI SATA	• SATA 2.0 3Gbps with RAID 0, 1, 5, 10 • SATA 3.0 6Gbps with RAID 0, 1, 5, 10	Voltage
SCU SATA	• SATA 2.0 3Gbps with RAID 0, 1, 5, 10	• Monitors for CPU Cores, +1.8V, +3.3V, +5V, +12V, +5V Standby, VBAT, 4 Memory Voltages. • 5+1 Phase-switching voltage regulator
IPMI	• Support for Intelligent Platform Management Interface v2.0 • IPMI 2.0 with virtual media over LAN and KVM-over-LAN support • Nuvoton WPCM450 BMC	FAN
Network Controllers	• Intel® X540 Dual Port 10GBase-T • Virtual Machine Device Queues reduce I/O overhead • Supports 10GBase-T, 100BASE-TX, and 1000BASE-T, RJ45 output • 1x Realtek RTL8201F PHY (dedicated IPMI)	• 6x 4-pin fan headers • 6x fans with tachometer monitoring • Status monitor for speed control • Status monitor for on/off control • Low noise fan speed control • Pulse Width Modulated (PWM) fan connectors • Monitoring for CPU and chassis environment
Video	• Nuvoton WPCM450 BMC	Temperature
Input / Output		• CPU thermal trip support • iC temperature sensing logic • Thermal Monitor 2 (TM2) support • PECI
SATA	• 2x SATA3 (6Gbps) ports • 8x SATA2 (3Gbps) ports	LED
LAN	• 2x RJ45 10GBase-T ports • 1x RJ45 Dedicated IPMI LAN port	• CPU / System Overheat LED • Suspend static indicator LED • UID/Remote UID
USB	• 7x USB 2.0 ports total (4 rear + 2 via header + 1 Type A)	Other Features
Video	• 1x VGA port	• Chassis intrusion detection • Chassis intrusion header • SDDC Support • RoHS
Serial Port / Header	• 1x Fast UART 16550 serial; 1 COM port (rear)	Operating Environment
SATA DOM	• 2x SATA DOM (Disk on Module) ports	Operating Temperature Range
TPM	• 1x TPM Header	• 10°C - 35°C (50°F - 95°F)
		Non-Operating Temperature Range
		• -40°C - 70°C (-40°F - 158°F)
		Operating Relative Humidity Range
		• 8% - 90% (non-condensing)
		Non-Operating Relative Humidity Range
		• 5% - 95% (non-condensing)

Strona firmowa produktu:
<https://www.superstorage.pl/supermicro-mbd-x9drd-it-dual-skt-intel-c602-chipset-sata-2x10gbe-ipmi-p-1318.html>