

Supermicro MBD-X9DRD-7LN4F, Dual SKT, Intel C602 Chipset, SATA, LSI2308 SAS2, 4xGbE, IPMI Bulk

Kod producenta: MBD-X9DRD-7LN4F-B



Form Factor	E-ATX
Dimensions	12" 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 C602J 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	16
Max Memory Size	1024 GB
Integrated GPU	Matrox G200eW
# of PCIe x8 3.0	6
# of USB Ports	4 x USB 2.0 (rear) 4 x USB 2.0 (header) 1 x USB 2.0 Type A
# of SATA Ports	6
# of SATA DOM power	1
# of SAS Ports	8
Storage Controllers	2 x AHCI iSATA 6Gb/s 4 x AHCI iSATA 3Gb/s LSI 2308 6Gb/s
Integrated RAID	0,1,5,10
Hardware RAID	0,1,10
# of Serial Ports	1 x Fast UART 16550 (header)
# of 1GbE Ports	4 x RJ45
Network Controllers	Intel i350 Quad Port Gigabit Ethernet
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

Product SKUs		Chassis (Optimized for X9DRD-7LN4F)	
MBD-X9DRD-7LN4F-O • X9DRD-7LN4F (Standard Retail Pack)		1U Chassis	• CSE-8157Q-600CB • CSE-8217Q-R740LPB • CSE-826BA-R1K28LPB
MBD-X9DRD-7LN4F-B • X9DRD-7LN4F (Bulk Pack)		2U Chassis	• CSE-826BA-R920LPB • CSE-826BE16-R1K28LPB • CSE-826BE16-R920LPB • CSE-826BE26-R1K28LPB • CSE-826BE26-R920LPB
Physical Stats		3U Chassis	• CSE-8357Q-R920B • CSE-846BA-R1K28B • CSE-846BE16-R1K28B • CSE-846BE26-R1K28B
Form Factor • E-ATX		Tower / 4U Rackmount	• CSE-847A-R1400B • CSE-847A-R1K28LPB • CSE-847E16-R1400B • CSE-847E16-R1K28LPB • CSE-847E26-R1400B • CSE-847E26-R1K28LPB • To support the new generation Intel® Xeon® processor-based motherboards, Revision M chassis is recommended. Please talk to your sales representative for details. • Please use optional I/O shield MCP-260-00041-0N in Supermicro 1U chassis
Dimensions • 12" x 13" (30.5cm x 33.0cm)		Important Chassis Notes	• To support the new generation Intel® Xeon® processor-based motherboards, Revision M chassis is recommended. Please talk to your sales representative for details. • Please use optional I/O shield MCP-260-00041-0N in Supermicro 1U chassis
Processor/Cache		SuperServer(s) with X9DRD-7LN4F	• SYS-1027R-73DAE • SYS-6027R-73DARE • SYS-1027R-73DARE • SYS-1027R-73DARE
CPU		Model(s)	
• Dual Socket R (LGA 2011) • Intel® Xeon® processor E5-2600 and E5-2600 v2 family† (up to 135W TDP **)		Expansion Slots	• 6 (x8) PCI-E 3.0 slots
Note		PCI-Express	(Both CPUs need to be installed for full access to PCI-E slots and onboard controllers. See manual block diagram for details.)
Note		System BIOS	
• ** Motherboard supports this maximum TDP. Please verify your system can thermally support.		BIOS Type	• 128Mb SPI Flash EEPROM with AMI BIOS • Plug and Play (PnP) • APM 1.2 • DMI 2.3 • PCI 2.3 • ACPI 1.0 / 2.0 / 3.0 / 4.0 • BIOS rescue hot keys • USB Keyboard support • SMBIOS 2.7.1 • UEFI 2.3.1
Cache		BIOS Features	
• Up to 30MB		Management	• SuperDoctor® III • Watch Dog • NMI • IPMI 1.5 / 2.0 • ACPI / APM Power Management • CPU Fan auto-off in sleep mode recovery
System Bus • QPI up to 8 GT/s		Software	
System Memory		Power Configurations	• Power-on mode for AC power recovery
Memory Capacity		PC Health Monitoring	
• 16x 240-pin DDR3 DIMM slots • Up to 1TB DDR3 ECC LRDIMM • Up to 512GB 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		Voltage	• Monitors for CPU Cores, +1.1V, +1.5V, +3.3V, +5V, +12V, +3.3V Standby, +5V Standby, VBAT, Memory Voltages. • 5+1 Phase-switching voltage regulator • 8x 4-pin fan headers • 8x 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 • CPU thermal trip support • iC temperature sensing logic • Thermal Monitor 2 (TM2) support • PECI • CPU / System Overheat LED • Suspend static indicator LED • UID/Remote UID • Chassis intrusion detection • Chassis intrusion header • SDDC Support • RoHS
Memory Type		FAN	
* Maximum memory speed may be capped by CPU. Please verify that the chosen CPU can support desired memory speed.		Temperature	
DIMM Sizes		LED	
• 32GB, 16GB, 8GB, 4GB, 2GB, 1GB, 64GB LRDIMM		Other Features	
Memory Voltage		Operating Environment	
• 1.5 V, 1.35 V		Operating Temperature Range	• 10°C - 35°C (50°F - 95°F)
Error Detection		Non-Operating Temperature Range	• -40°C - 70°C (-40°F - 158°F)
• Corrects single-bit errors • Detects double-bit errors (using ECC memory)		Operating Relative Humidity Range	• 8% - 90% (non-condensing)
On-Board Devices		Non-Operating Relative Humidity Range	
Chipset			
• Intel® C602 chipset • SATA 2.0 3Gb/s with RAID 0, 1, 5, 10 • SATA 3.0 6Gb/s with RAID 0, 1, 5, 10			
SATA			
• SAS2 (6Gb/s) via Broadcom 2308 • SW RAID 0, 1, 10 support • Support for Intelligent Platform Management Interface v2.0 • IPMI 2.0 with virtual media over LAN and KVM-over-LAN support • Nuvoton WPCM450 BMC			
SAS			
• Intel® i350 Quad Port Gigabit Ethernet • Virtual Machine Device Queues reduce I/O overhead • Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output • 1x Realtek RTL8201N PHY (dedicated IPMI)			
IPMI			
Network Controllers			
Video			
• 1x VGA port • Matrox G200eW			
Input / Output			
SATA			
• 2 SATA 3.0 ports (6Gb/s) • 4 SATA 2.0 ports (3Gb/s)			
SAS			
• 8 SAS2 ports (6Gb/s)			
LAN			
• 4 RJ45 Gigabit Ethernet LAN ports • 1 RJ45 Dedicated IPMI LAN port • 9 USB 2.0 ports total (4 rear + 4 via header + 1 Type A)			
USB			
Video			
• 1 VGA port			
Serial Port / Header			
• 1 Fast UART 16550 port / 1 Header			
DOM			
• 1 DOM (Disk on Module) power connector			
TPM			
• 1 TPM Header			

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-mbd-x9drd-7ln4f-dual-skt-intel-c602-chipset-sata-lsi2308-sas2-4xgbe-ipmi-bulk-p-2608.html>