

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

Kod producenta: MBD-X9DRD-7LN4F-O



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	MBD-X9DRD-7LN4F-O • X9DRD-7LN4F (Standard Retail Pack) MBD-X9DRD-7LN4F-B • X9DRD-7LN4F (Bulk Pack)	Chassis (Optimized for X9DRD-7LN4F)	
Physical Stats	Form Factor • E-ATX Dimensions • 12" x 13" (30.5cm x 33.0cm)	1U Chassis	<ul style="list-style-type: none"> CSE-81570-0000B CSE-82513A-0700LPB CSE-8468A-R1K28LPB CSE-826BA-R920LPB
Processor/Cache	Dual Socket R (LGA 2011) Intel® Xeon® processor E5-2600 and E5-2600 v2 family* (up to 135W TDP)**	2U Chassis	<ul style="list-style-type: none"> CSE-826BE16-R1K28LPB CSE-826BE16-R920LPB CSE-826BE26-R1K28LPB CSE-826BE26-R920LPB
CPU	† BIOS version 3.0 or above is required ** Motherboard supports this maximum TDP. Please verify your system can thermally support.	3U Chassis	<ul style="list-style-type: none"> CSE-83370-R920B CSE-8468A-R1K28B CSE-8468A-R1K28B CSE-8468E26-R1K28B
Note	† BIOS version 3.0 or above is required ** Motherboard supports this maximum TDP. Please verify your system can thermally support.	Tower / 4U Rackmount	<ul style="list-style-type: none"> CSE-847A-R1400B CSE-847A-R1K28LPB CSE-847E16-R1400B CSE-847E16-R1K28LPB CSE-847E26-R1400B CSE-847E26-R1K28LPB
Cache	Up to 30MB	Important Chassis Notes	<ul style="list-style-type: none"> 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-260-0001-0N in Supermicro 1U chassis
System Memory	Up to 8 GT/s	SuperServer(s) with X9DRD-7LN4F	<ul style="list-style-type: none"> SYS-1027R-73DAE SYS-6027R-73DAE SYS-1027R-73DBE SYS-1027R-73DBE
Memory Capacity	<ul style="list-style-type: none"> 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 	Model(s)	
Memory Type	* Maximum memory speed may be capped by CPU. Please verify that the chosen CPU can support desired memory speed.	Expansion Slots	<ul style="list-style-type: none"> 6 (x8) PCIe 3.0 slots
DIMM Sizes	32GB, 16GB, 8GB, 4GB, 2GB, 1GB, 64GB LRDIMM	PCI-Express	(Both CPUs need to be installed for full access to PCI-E slots and onboard controllers. See manual block diagram for details.)
Memory Voltage	1.5 V, 1.35 V	System BIOS	<ul style="list-style-type: none"> 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
Error Detection	<ul style="list-style-type: none"> Corrects single-bit errors Detects double-bit errors (using ECC memory) 	BIOS Type	<ul style="list-style-type: none"> Watch Dog NMI IPMI 1.5 / 2.0 ACPI / APM Power Management CPU Fan auto-off in sleep mode
On-Board Devices		BIOS Features	<ul style="list-style-type: none"> ACPI 1.0 / 2.0 / 3.0 / 4.0 BIOS rescue hot keys USB keyboard support SMBIOS 2.7.1 UEFI 2.3.1
Chipset	Intel® C602 chipset	Management	<ul style="list-style-type: none"> SuperDoctor® III Watch Dog NMI IPMI 1.5 / 2.0 ACPI / APM Power Management CPU Fan auto-off in sleep mode
SATA	<ul style="list-style-type: none"> SATA 2.0 3Gb/s with RAID 0, 1, 5, 10 SATA 3.0 6Gb/s with RAID 0, 1, 5, 10 	Software	<ul style="list-style-type: none"> Power-on mode for AC power recovery
SAS	<ul style="list-style-type: none"> SAS2 (6Gb/s) via Broadcom 2308 SW RAID 0, 1, 10 support Support for Intelligent Platform Management Interface v.2.0 	PC Health Monitoring	<ul style="list-style-type: none"> 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 FC 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
IPMI	<ul style="list-style-type: none"> IPMI 2.0 with virtual media over LAN and KVM-over-LAN support Navoton WPCM450 BMC 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) Matrox G200eW 	Voltage	
Network Controllers		FAN	
Video		Temperature	
Input / Output		LED	
SATA	<ul style="list-style-type: none"> 2 SATA 3.0 ports (6Gb/s) 4 SATA 2.0 ports (3Gb/s) 	Other Features	
SAS	<ul style="list-style-type: none"> 8 SAS2 ports (6Gb/s) 	Operating Environment	
LAN	<ul style="list-style-type: none"> 4 RJ45 Gigabit Ethernet LAN ports 1 RJ45 Dedicated IPMI LAN port 0 USB 2.0 ports total 	Operating Temperature Range	<ul style="list-style-type: none"> 10°C - 35°C (50°F - 95°F)
USB	<ul style="list-style-type: none"> 4 rear + 4 via header + 1 Type A 	Non-Operating Temperature Range	<ul style="list-style-type: none"> -40°C - 70°C (-40°F - 158°F)
Video	<ul style="list-style-type: none"> 1 VGA port 	Operating Relative Humidity Range	<ul style="list-style-type: none"> 8% - 90% (non-condensing)
Serial Port / Header	<ul style="list-style-type: none"> 1 Fast UART 16550 port / 1 Header 	Non-Operating Relative Humidity Range	
DOM	<ul style="list-style-type: none"> 1 DOM (Disk on Module) power connector 		
TPM	<ul style="list-style-type: none"> 1 TPM Header 		

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-mbd-x9drd-7ln4f-dual-skt-intel-c602-chipset-sata-lsi2308-sas2-4xgbe-ipmi-p-1321.html>