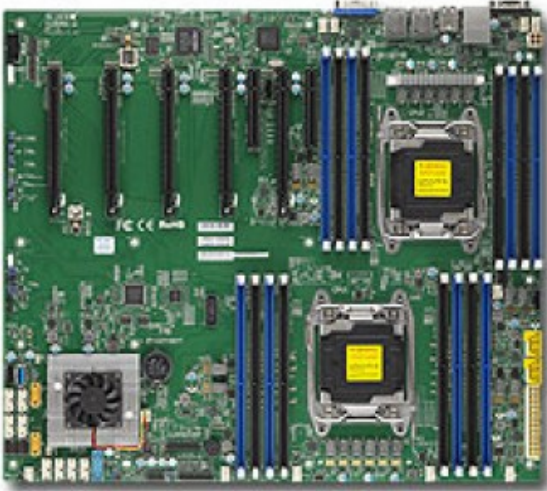


Supermicro MBD-X10DRG-Q, Dual SKT, Intel C612 Chipset, SATA, 2xGbE, IPMI Bulk

Kod producenta: MBD-X10DRG-Q-B



Category	Workstation
Form Factor	WIO Proprietary
Dimensions	15.2" x 13.2"
CPU Socket	LGA 2011 (Socket R3)
# of CPU sockets	2
Supported CPU's	Intel Xeon E5-2600v4 Intel Xeon E5-2600v3
Chipset	Intel C612 Wellsburg
Memory Type	DDR4 ECC 3DS LRDIMM DDR4 ECC LRDIMM DDR4 ECC RDIMM
Memory Speed	2400 MHz 2133 MHz 1866 MHz 1600 MHz
# of DIMM's	16
Max Memory Size	2048 GB
Integrated GPU	Aspeed AST2400
# of PCIe x16 3.0	4
# of PCIe x8 3.0	2
# of PCIe x4 2.0	1
# of USB Ports	2 x USB 3.0 (rear) 2 x USB 3.0 (header) 1 x USB 3.0 Type A 2 x USB 2.0 (rear) 2 x USB 2.0 (header)
# of SATA Ports	10
Storage Controllers	6 x AHCI iSATA 6Gb/s 4 x sSATA 6Gb/s
Integrated RAID	0,1,5,10
# of Serial Ports	1 x Fast UART 16550 (rear) 1 x Fast UART 16550 (header)
# of 1GbE Ports	2 x RJ45
Network Controllers	Intel i350 Dual 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: 4x PCI-E 3.0 x16 (double-width) slots 2x PCI-E 3.0 x8 (1in x16) slot 1x PCI-E 2.0 x4 (in x8) slot

Product SKUs			
<input type="checkbox"/>		<input type="checkbox"/>	Chassis (Optimized for X10DRG-Q)
MBD-X10DRG-Q	• X10DRG-Q (Bulk Pack)	<input type="checkbox"/>	4U / Tower
-B			Chassis: • SC747TQ-R1620B
Physical Stats			• To support the new generation Intel® Xeon® processor-based motherboards, Revision M chassis is recommended. Please talk to your sales representative for details.
<input type="checkbox"/>		Important	
Form Factor	• Proprietary	Chassis	
Dimensions	• 15.2" x 13.2" (38.6cm x 33.5cm)	Notes	
Processor/Cache			
<input type="checkbox"/>		<input type="checkbox"/>	SuperServer(s) with X10DRG-Q
CPU	• Intel® Xeon® processor E5-2600 v4 ¹ / v3 family (up to 160W TDP **) • Dual Socket R3 (LGA 2011)	<input type="checkbox"/>	Model(s)
Cores / Cache	• Up to 22 Cores ¹ / Up to 55MB ¹ Cache		• SYS-7048GR-TR
System Bus	• QPI up to 9.6 GT/s	Expansion Slots	
Note	¹ BIOS version 2.0 or above is required	<input type="checkbox"/>	• 4 PCI-E 3.0 x16 (double-width) slots • 2 PCI-E 3.0 x8 (1 in x16) slots • 1 PCI-E 2.0 x4 (in x8) slot
Note	** Motherboard supports this maximum TDP. Please verify your system can thermally support.		
System Memory		PCI-Express	(Both CPUs need to be installed for full access to PCI-E slots and onboard controllers. See manual block diagram for details.)
<input type="checkbox"/>			
Memory Capacity	• 16x 288-pin DDR4 DIMM slots • Up to 2TB ¹ ECC 3DS LRDIMM, 1TB ECC RDIMM	System BIOS	
Memory Type	• 2400 /2133/1866/1600MHz ECC DDR4 SDRAM 72-bit	<input type="checkbox"/>	BIOS Type
DIMM Sizes	• RDIMM: 64GB, 32GB, 16GB, 8GB, 4GB • LRDIMM: 64GB, 32GB • 3DS LRDIMM: 128GB		• 128Mb SPI Flash EEPROM with AMI BIOS • Plug and Play (PnP) • 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
Memory Voltage	• 1.2 V	BIOS Features	
Error Detection	• Corrects single-bit errors		
On-Board Devices		Management	
<input type="checkbox"/>		<input type="checkbox"/>	
Chipset	• Intel® C612 chipset		• Intel® Node Manager • SuperDoctor® 5 • IPMI 2.0
AHCI SATA	• SATA3 (6Gbps); RAID 0, 1, 5, 10	Software	• NMI • SPM • SUM • Watch Dog • ACPI / APM Power Management • CPU Fan auto-off in sleep mode
SCU SATA	• SATA3 (6Gbps); RAID 0, 1, 5, 10 • Support for Intelligent Platform Management Interface v.2.0	Power Configurations	• Power-on mode for AC power recovery
IPMI	• IPMI 2.0 with virtual media over LAN and KVM-over-LAN support • ASPEED AST2400 BMC • Intel® i350 Dual Port Gigabit Ethernet • Virtual Machine Device Queues reduce I/O overhead	PC Health Monitoring	
Network Controllers	• Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output • 1x Realtek RTL8211E PHY (dedicated IPMI)	<input type="checkbox"/>	
Video	• ASPEED AST2400 BMC	Voltage	• Monitors for CPU Cores, +3.3V, +5V, +12V, +5V Standby, VBAT, Memory Voltages. • 6 Phase-switching voltage regulator • 10x 4-pin fan headers (up to 10 fans) • 10x fans with tachometer monitoring
Input / Output		FAN	• 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 • Thermal Control for 8x Fan Connectors • 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 • Dual Cooling Zones
SATA	• 10x SATA3 (6Gbps) ports • 2 RJ45 Gigabit Ethernet LAN ports (Both CPUs need to be installed for full access to PCI-E slots and onboard controllers. See manual block diagram for details.)	Temperature	
LAN	• 1 RJ45 Dedicated IPMI LAN port • 5 USB 3.0 ports (2 rear, 2 via header, 1 Type A)	LED	
USB	• 4 USB 2.0 ports (2 rear, 2 via headers)	Other Features	
Audio	• HD Audio with optical S/PDIF		
Video	• 1 VGA port		
Serial Port / Header	• 2 COM ports (1 rear, 1 Header)		
DOM	• 2 Super DOM (Disk on Module) ports		
TPM	• 1 TPM Header		
Thunderbolt	• Thunderbolt AOC Header		
		<input type="checkbox"/>	Operating Environment
		<input type="checkbox"/>	Operating Temperature Range
			• 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

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-mbd-x10drg-dual-skt-intel-c612-chipset-sata-2xgbe-ipmi-bulk-p-2986.html>