

ASRock 4U8G-ROME2/2T, Rack 4U, DP, AMD EPYC 7000, 12xLFF, 2x10GbE, 8xGPU, Red. PSU, IPMI

Kod producenta: 4U8G-ROME2/2T



Chassis Form Factor	RACK 4U
CPU Socket	LGA 4094 (Socket SP3)
# of CPU sockets	2
Supported CPU's	AMD EPYC 7003 AMD EPYC 7002
Max CPU TDP	280 W
Chipset	System on Chip
Memory Type	DDR4 ECC RDIMM DDR4 ECC LRDIMM
Memory Speed	3200 MHz 2933 MHz 2666 MHz
# of DIMM's	32
Integrated GPU	Aspeed AST2500
Hardware GPU	up to 8 x NVIDIA® A100
# of 3.5 hot-swap bays	12
Backplanes	NVMeG4/SAS3/SATA3
# of PCIe x16 4.0	8
# of PCIe x8 4.0	1
I/O expansion modules	1 x OCP 3.0 PCI-E 4.0 x8
# of USB Ports	2 Type-A (USB3.2 Gen1)
# of 10GbE Ports	2 x RJ45
Network Controllers	Intel X550-AT2
Integrated BMC	IPMI Dedicated RJ45
BMC chip	Aspeed AST2500
Power Supply	Redundant 3+1
PSU Wattage	1600 W
PSU Certification	80+ Platinum
Chassis Dimensions	845 x 438 x 176.5 mm
Warranty	1 year standard 3 years on request

4U8G-ROME2/2T

- 4U Rackmount with 3+1 Redundant 1600W CRPS
- Dual Socket SP3 (LGA 4094), supports AMD EPYC™ 7003 and 7002 Series Processors
- 16+16 DIMM slots, support DDR4 RDIMM/ LRDIMM
- 12 hot-swap 3.5" drive bays
- Supports up to 8 dual-slot PCIe4.0 x16

- Front side 1 FHHL PCIe4.0 x8 and OCP NIC 3.0, optional OCP2.0 mezzanine cards support
- On-board dual 10GbE RJ45 by Intel® X550-AT2

Specyfikacja

System	
Rozmiar/format	4U Rackmount
Wymiary	438mmx 845mmx 176.5mm (w/ fans)
Obsługiwane płyty	ROME2D32GM-2T
Front Panel	
Buttons	Power button w/ LED Reset button NMI button UID button w/ LED
LEDs	System fault LED HDD activity LED
I/O Ports	1 DB15 (VGA) 4 USB Type-A (USB3.2 Gen1) 2 RJ45 (10GbE) by Intel® X550-AT2, shares with Rear Panel I/O
IPMI LAN	1 dedicated IPMI LAN, shares with Rear Panel I/O
Zewnętrzna zatoka / Storage	
Frontowe zatoki	12 Hot-swap 3.5" drive bays, supports 2 NVMe (PCIe4.0 x4) drives; additional 2 NVMe drives possible by cable reconfiguration supports 8 SAS/SATA drives by additional PCIe 8-port RAID/HBA card
Frontowy Backplane	three 4-port NVMe/SAS/SATA passive backplanes
Internal Side	1 M-key (PCIe4.0 x4) supports 22110/2280 form factor
Zasilacz	
Rodzaj	3+1 CRPS
Moc wyjściowa	1600W
Efektywność	80-PLUS Platinum
AC Input	Lowline: 100-127V, Highline: 200-240V
Chłodzenie	
Wentylator	5 Middle Hot-swap 80x80mm fans, 5 Rear Hot-swap 80x38mm fans
Fail LED	Abnormal(DC on): LED ON (Solid Red) Normal: LED OFF
GPGPU card	
GPGPU Watts	max. 350W per card
Support GPGPU	NVIDIA® A100 PCIe
Procesor	
CPU	Support Dual AMD EPYC™ 7003* and 7002 Series Processors *A BIOS update is required to support AMD EPYC™ 7003 Series Processors. Please contact ASRock Rack Technical Support for the necessary firmwares.
Socket	Dual Socket SP3 (LGA 4094)

Zasilanie	280W
Chipset	System on Chip
Pamięć operacyjna	
Pojemność	16+16 DIMM slots (2DPC)
Rodzaj	DDR4 288-pin RDIMM, LRDIMM
DIMM Size Per DIMM	RDIMM: up to 64GB, LRDIMM: up to 256GB
DIMM Frequency	RDIMM/ LRDIMM: up to 3200 MHz
Napięcie	1.2V
Sloty rozszerzeń	
PCIe x 16	Rear: 8 FHFL dual-slot PCIe4.0 x16 via 4UXG_SWB
PCIe x 8	Front: 1 FHHL PCIe4.0 x8 via 4UXG_SL2P 1 OCP3.0 PCIe4.0 x8 via 4UXG_SL2OCP3 *Additional 1 FHHL PCIe4.0 x8 via 4UXG_SL2P is supported by cable re-configuration
TPM	
TPM support	1 (17-pin, LPC)
Zarządzanie	
Kontroler BMC	ASPEED AST2500: IPMI2.0 with iKVM and vMedia support
IPMI Dedicated GLAN	1 Realtek RTL8211E for dedicated management GLAN
Grafika	
Kontroler	ASPEED AST2500
VRAM	DDR4 4GB
Tyłny panel I/O	
Port VGA	1 DB15 (VGA)
Port USB 3.0	2 Type-A (USB3.2 Gen1)
Port Lan	2 RJ45 (10GbE) by Intel® X550-AT2, shares with front panel 1 dedicated IPMI LAN, shares with front panel
UID Button/UID LED	UID button w/ LED
Button/LED	Power button w/ LED Reset button NMI button System fault LED HDD activity LED
BIOS	
Rodzaj BIOS	32MB AMI UEFI Legal BIOS
Cechy BIOS	Plug and Play (PnP), ACPI 2.0 Compliance Wake Up Events, SMBIOS 2.8.0, ASRock Rack Instant Flash
Hardware Monitor	
Temperatura	CPU Temperature Sensing System Temperature Sensing Card Side Temperature Sensing
Wentylator	Middle/ Rear Fan Tachometer Middle/ Rear Fan Multi-Speed Control
Napięcie	Vsoc,Vcpu, VCCM, VPPM, +1.8V, +3V,+5V, +12V, BAT, +1.8VSB, +3VSB, +5VSB
Środowisko	

Temperatura	Operation temperature: 10°C ~ 35°C / Non operation temperature: -40°C ~ 70°C
Humidity	Non operation humidity: 20% ~ 90% (Non condensing)

Specyfikacja może ulec zmianie bez wcześniejszego powiadomienia. Marka i nazwy produktów są znakami towarowymi ich właścicieli. Działanie konfiguracji innych niż wynikające ze specyfikacji nie jest gwarantowane.

Strona firmowa produktu:

<https://www.superstorage.pl/asrock-4u8g-rome22t-rack-4u-dp-amd-epyc-7000-12xlff-2x10gbe-8xgpu-red-psu-ipmi-p-5387.html>