

# ASRock 4U10G-ROME2/2T, Rack 4U, DP, AMD EPYC 7000, 12xLFF, 2x10GbE, 10xGPU, Red. PSU, IPMI

Kod producenta: 4U10G-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 10 x NVIDIA® A100
# of 3.5 hot-swap bays	12
Backplanes	NVMeG4/SAS3/SATA3
# of PCIe x16 4.0	12
I/O expansion modules	1 x OCP 3.0 PCI-E 4.0 x8
# of USB Ports	4 USB 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

## 4U10G-ROME2/2T

- 4U Rackmount with 3+1 Redundant 1600W CRPS
- Dual Socket (LGA 4094), support 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 10 dual-slot PCIe4.0 x16 + 1 single-slot FHFL PCIe4.0 x16 or 20 single-slot FHFL PCIe4.0 x8 + 1 single-slot FHFLPCIe4.0 x16
- Front side PCIe expansion and OCP for storage and OCP for 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	<a href="#">ROME2D32GM-2T</a>
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 12 NVMe (PCIe4.0 x4) / SATA drives 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
Processor	
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	1+1 SP3 (LGA4094)
Zasilanie	280W
Chipset	System on Chip

<b>Pamięć operacyjna</b>	
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
<b>Sloty rozszerzeń</b>	
PCIe x 16	Rear: 10 FHFL dual-slot PCIe4.0 x16 on 4U10G_SWB96 or 20 FHFL single-slot PCIe4.0 x8 on 4U10G_SWB96 (attached to PEX88096) 1 FHFL single-slot PCIe4.0 x16 on 4U10G_SWB96 (direct link to CPU) Front: 1 FHHL PCIe4.0 x16 via 4UXG_SL2P 1 OCP3.0 PCIe4.0 x16 via 4UXG_SL2OCP3  *Please contact ASRock Rack for other required configuration
PCIe x 8	Front: 1 FHHL PCIe4.0 x8 via 4UXG_SL2P
Additional PCIe switch	2 PEX88096
<b>TPM</b>	
TPM support	1 (17-pin, LPC)
<b>Zarządzanie</b>	
Kontroler BMC	ASPEED AST2500: IPMI2.0 with iKVM and vMedia support
IPMI Dedicated GLAN	1 Realtek RTL8211E for dedicated management GLAN
<b>Grafika</b>	
Kontroler	ASPEED AST2500
VRAM	DDR4 4GB
<b>Tylny panel I/O</b>	
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
<b>BIOS</b>	
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
<b>Hardware Monitor</b>	
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
<b>Środowisko</b>	
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-4u10g-rome22t-rack-4u-dp-amd-epyc-7000-12xlff-2x10gbe-10xgpu-red-psu-ipmi-p-5388.html>