

ASRock ROMED8-2T/BCM, 1xSKT SP3, AMD EPYC 7000, SoC, SATA, NVMe, 2xM.2, 2x10GbE Broadcom, IPMI

Kod producenta: ROMED8-2T/BCM



Category	Server
Form Factor	ATX
Dimensions	12 x 9.6
CPU Socket	LGA 4094 (Socket SP3)
# of CPU sockets	1
Supported CPU's	AMD EPYC 7002 AMD EPYC 7003
Chipset	System on Chip
Memory Type	DDR4 ECC RDIMM DDR4 ECC LRDIMM
Memory Speed	3200 MHz
# of DIMM's	8
Integrated GPU	ASPEED AST2500
# of PCIe x16 4.0	7
# of USB Ports	2 x USB 3.2 (rear) 1 x USB Type C (rear) 2 x USB 3.2 (header) 1 x USB Type C (header)
# of SAS Ports	2
# of 10GbE Ports	2 x RJ45
Integrated BMC	IPMI Dedicated RJ45
BMC chip	ASPEED AST2500
TPM	1 x TPM 2.0 17-pin Header

ROMED8-2T/BCM

- ATX (12" x 9.6")
- Single Socket SP3 (LGA 4094), supports AMD EPYC 7003 (with AMD 3D V-Cache Technology*)/7002 series processors
- 8 DIMM slots (1DPC), supports DDR4 RDIMM, LRDIMM, RDIMM/LRDIMM-3DS, NVDIMM-N
- 7 PCIe4.0 x16
- 2 OCuLink (PCIe4.0 x4)
- Supports 2 M.2 (PCIe4.0 x4 or SATA 6Gb/s)
- 10 SATA 6Gb/s
- 2 RJ45 (10GbE) by Broadcom BCM57416
- Remote Management (IPMI)

Specyfikacja

Standard	ATX
Wymiary	12" x 9.6" (305 mm x 244 mm)
Procesor	
CPU	Supports AMD EPYC 7003 (with AMD 3D V-Cache Technology [*])/7002 Series Processors [*] A BIOS update is required to support AMD EPYC 7003 series processors with AMD 3D V-Cache Technology
Socket	Single Socket SP3 (LGA4094)
Chipset	System on Chip
Pamięć operacyjna	
Pojemność	8 DIMM slots (1DPC)
Rodzaj	Supports DDR4 288-pin RDIMM, LRDIMM, RDIMM/LRDIMM-3DS, NVDIMM-N
DIMM Size Per DIMM	RDIMM: up to 64GB LRDIMM: up to 128GB RDIMM/LRDIMM-3DS: up to 256GB NVDIMM-N: up to 32GB
Max. DIMM Frequency	RDIMM/ LRDIMM/NVDIMM-N: max. 3200MHz
Napięcie	1.2V
Sloty rozszerzeń	
PCIe x 16	SLOT7: PCIe4.0 x16 SLOT6: PCIe4.0 x16 SLOT5: PCIe4.0 x16 SLOT4: PCIe4.0 x16 SLOT3: PCIe4.0 x16 SLOT2: PCIe4.0 x16 or PCIe4.0 x8 + 1 M.2+1 miniSASHD or no PCIe SLOT +2 OCuLink+1 M.2+1 miniSAS HD (by jumper) SLOT1: PCIe4.0 x16
Magazynowanie	
Kontroler SATA	AMD EPYC 7003/7002 (10 SATA 6Gb/s): 2 Mini-SAS HD, 2 M.2
OCuLink for U.2	2 OCuLink [*] (PCIe4.0 x4) [*] Shared with SLOT2 by jumper
M.2 slot	1 M-key [*] (PCIe4.0 x4 or SATA 6Gb/s), supports 2280/2260/2242/2230 form factor 1 M-key [*] (PCIe4.0 x4 or SATA 6Gb/s), supports 22110/2280/2260/2242/2230 form factor [*] Share with SLOT2 by jumper
Ethernet	
Additional GbE Controller	1 Broadcom BCM57416: 2 RJ45 (10GbE)
Zarządzanie	
Kontroler BMC	ASPEED AST2500
IPMI Dedicated GLAN	1 x Realtek RTL8211E for dedicated management GLAN
Grafika	
Kontroler	ASPEED AST2500
VRAM	DDR4 512MB

Tylny panel I/O	
Port VGA	1 DB15
Port USB 3.0	2 Type-A (USB3.2 Gen1)
Port Lan	2 RJ45 (10GbE) 1 dedicated IPMI
Port szeregowy	1 DB9
UID Button/UID LED	1
Złącza wewnętrzne	
Power Connector	1 (24-pin, ATX main power), 1 (8-pin, ATX 12V), 1 (4-pin, ATX 12V)
Złącze panelu AUX	1 (includes chassis intrusion, location button & LED, and front LAN LED)
Złącze TPM	1 (17-pin, LPC), 1 (13-pin, SPI)
Złącze czujnika temperatury	2
Złącze IPMB	1
Złącze wentylatorów	7 (6-pin) [1CPU/4Front/2Rear]
Złącze panelu USB 3.2 (Gen1)	1 (19-pin, 2 USB3.2 Gen1)
NMI Header	1
System Panel	1 (rst, pwrbtn, hddled, pwrled)
Głośnik	1 (4-pin)
BMC_SMB Header	1
Clear CMOS	1 (contact pads)
Onboard LED	
Standby PWR LED 5vsb	1 (5VSB)
Port 80 LED	1
Fan Fail LED	7
BMC heartbeat LED	1
BIOS	
Rodzaj BIOS	32MB AMI UEFI Legal BIOS
Cechy BIOS	Plug and Play (PnP), ACPI 6.3 Compliance Wake Up Events, SMBIOS 3.3.0, ASRock Rack Instant Flash
Hardware Monitor	
Temperatura	CPU, MB, Card side, TR1, TR2 Temperature sensing
Wentylator	Fan Tachometer CPU Quiet Fan (Allow Chassis Fan Speed Auto-Adjust by CPU Temperature) Fan Multi-Speed Control

Napięcie	Vsoc,Vcpu, VCCM, VPPM, 3V/5V/12V, +BAT, 3VSB, 5VSB
Obsługiwane systemy	
System operacyjny	Microsoft Windows:
	- Server 2016 (64bit)
	- Server 2019 (64bit)
	- Server 2022 (64 bit)
	Linux:
	- RedHat Enterprise Linux Server Server 8.2 (64bit) / 7.9 (64bit)
	- CentOS 8.5 (64 bit) / 8.2 (64 bit) / 7.9 (64 bit)
	- SUSE SLES 15.4(64 bit) / 15.2(64 bit) / 12.5(64bit)
	- Ubuntu 22.04 (64 bit) / 20.04.4 (64 bit) /18.04.5 (64 bit) / 16.04.7 (64 bit)
	Hypervisor::
	- VMWare ESXi/ 7.0 U3d / 7.0 U1 / 6.7 U3
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 powiadamiania. 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-romed8-2tbcm-1xskt-sp3-amd-epyc-7000-soc-sata-nvme-2xm2-2x10gbe-broadcom-ipmi-p-5675.html>