

# ASRock EPYC3251D4I-2T, 1x AMD EPYC 3251, SoC, SATA, 1xM.2, 2x10GbE, IPMI

Kod producenta: EPYC3251D4I-2T



CPU Socket	SoC
CPU Installed	AMD EPYC 3251
# of CPU sockets	1
Memory Type	DDR4 ECC UDIMM DDR4 ECC RDIMM
# of DIMM's	4
Max Memory Size	256 GB
# of PCIe x16 3.0	1
# of 10GbE Ports	2

## EPYC3251D4I-2T

- Supports AMD EPYC™ 3251 Processor
- Supports 4x DDR4 ECC/UDIMM, RDIMM up to 2667MT/s; 2DPC
- Supports up to 1 x OCulinks (PCIe3.0x4 or 4x SATAIII 6Gb/s)
- 1 x PCIe x 16 slot
- Integrated IPMI 2.0 with KVM and Dedicated LAN (RTL8211E)
- Supports 12V DC or ATX Power Source

## Specyfikacja

### Parametry płyty głównej

Standard	- Mini-ITX
Wymiary	- 6.7" x 6.7" (17.02 cm x 17.02 cm)

### Procesor

CPU	- Support AMD EPYC™ 3251 (8 cores, 16 threads)
Chipset	- Soc

### Pamięć operacyjna

Pojemność	- 4 x 288-pin DDR4 SDRAM DIMM slots - Support up to 256GB DDR4 ECC/UDIMM, RDIMM
Rodzaj	- Dual Channel DDR4 memory technology - Support DDR4 ECC/UDIMM, RDIMM
DIMM Size Per DIMM	- ECC/UDIMM: 64GB, 32GB, 16GB, 8GB, 4GB - RDIMM: 128GB, 64GB, 32GB, 16GB, 8GB, 4GB

DIMM Frequency	- ECC/UDIMM: 2133/2400/2666 MHz - RDIMM: 2133/2400/2666 MHz  *the max speed may vary based on SoC SKU
Napięcie	- 1.2V
<b>Sloty rozszerzeń</b>	
PCIe 3.0 x 16 - SLOT7: Gen3 x16 link	
<b>Magazynowanie</b>	
Kontroler SATA	- AMD Built-in Storage: 6 x SATAIII 6.0 Gb/s (4 x SATA from OCulink, 2 x SATAIII 6.0 Gb/s)
M.2 slot	- 1 (2280/22110, supports SATA3 and PCIe 3.0 x4)
<b>Ethernet</b>	
Interfejs	- 10000/1000 Mbps
Kontroler LAN	- 2 x RJ45 10GLAN by Intel® X550-AT2 - Supports Wake-On-LAN - Supports Energy Efficient Ethernet 802.3az - Supports Dual LAN with Teaming function - Supports PXE - LAN1 Supports NCSI
<b>Zarządzanie</b>	
Kontroler BMC	- ASPEED AST2500 : IPMI (Intelligent Platform Management Interface) 2.0 with ikvm and vMedia support
IPMI Dedicated GLAN	- 1 x Realtek RTL8211E for dedicated management LAN
Funkcje	- Watch Dog - NMI
<b>Grafika</b>	
Kontroler	- ASPEED AST2500
<b>Tylny panel I/O</b>	
Port VGA	- D-sub x 1
Port USB 3.0	- 2
Port Lan	- 2 x 10GLAN RJ45(by Intel® X550-AT2 ) - 1 x RJ45 Dedicated IPMI LAN port - LAN Ports with LED (ACT/LINK LED and SPEED LED)
UID Button/UID LED	- 1
<b>Złącza wewnętrzne</b>	
Port śledź COM	- 1
M.2	- 1 x M-Key (PCIe3.0 x4 or SATAIII 6.0 Gb/s); Supports 22110/2280 form factor
Złącze panelu AUX	- 1 (include chassis intrusion, 2 front LAN LED, System LED)
Złącze TPM	- 1 x (14-pin)
Złącze IPMB	- 1
Złącze wentylatorów	- 1 x CPU Fan, 2 x System Fans (1 front, 1 rear) (build in CPU active fansink)
ATX Power	- 1 x (4-pin) + 1 x (8-pin) support 12V DC-IN

Złącze panelu USB 3.2 (Gen1)	- 1 (supports 2 USB 3.1 Gen1 ports)
PSU SMB Header	- 1
Panel frontowy	- 1
SATA Power Connector	- 1 (for DC-IN mode) *Caution: Misconnection may permanently damage the motherboard.
SGPIO Header	- 1
Clear CMOS	- 1 (short pad)

### Onboard LED

Fan Fail LED - 3

### BIOS

Rodzaj BIOS - 16MB AMI UEFI Legal BIOS

Cechy BIOS

- Plug and Play (PnP)
- ACPI 2.0 Compliance Wake Up Events
- SMBIOS 2.8 Support
- ASRockRack Instant Flash

### Hardware Monitor

Temperatura - CPU/DDR/LAN/Storage Temperature Sensing  
- MB/Card Side Temperature Sensing

Wentylator - CPU/Rear/Front Fan Tachometer  
- CPU Quiet Fan (Allow Chassis Fan Speed Auto-Adjust by CPU Temperature)  
- CPU/Rear/Front Fan Multi-Speed Control

Napięcie - Voltage Monitoring: +12V, +5V, +3.3V, CPU Vcore, DRAM, +1.1V,+1.0V, +BAT, 3VSB, 5VSB

### Obsługiwane systemy

System operacyjny

Microsoft® Windows® (Server OS) :

- Server 2016 (64 bit)

Linux:

- Red Hat Enterprise Linux Server 7.4 (64 bit) / 7.6 (64 bit)
- CentOS 7.4 (64 bit) / 7.6 (64 bit)
- Ubuntu 18.04.2 (64 bit)

\*Please refer to our website for the latest OS support list.

### Środowisko

Temperatura Operation temperature: 10°C ~ 35°C / Non operation temperature: -40°C ~ 70°C

\*Install a CPU Fan when the airflow through the heatsink is below 2CFM.

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-epyc3251d4i-2t-1x-amd-epyc-3251-soc-sata-1xm2-2x10gbe-ipmi-p-4>  
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