



EPYC3101D4I-2T

- Supports AMD EPYC™ 3101 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

[Specifications](#)[Download](#)[Manual](#)[Memory QVL](#)

Specifications

MB Physical Status	
Form Factor	- Mini-ITX
Dimensions	- 6.7" x 6.7" (17.02 cm x 17.02 cm)
Processor System	
CPU	- Support AMD EPYC™ 3101 (4 cores, 4 threads)
Chipset	- Soc
System Memory	
Capacity	- 4 x 288-pin DDR4 SDRAM DIMM slots - Support up to 256GB DDR4 ECC/UDIMM, RDIMM
Type	- 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
Voltage	- 1.2V
Expansion Slot	
PCIe 3.0 x 16	- SLOT7: Gen3 x16 link
Storage	
SATA Controller	- 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)
Ethernet	
Interface	- 10000/1000 Mbps
LAN Controller	- 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

Management	
BMC Controller	- 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
Features	- Watch Dog - NMI
Graphics	
Controller	- ASPEED AST2500
Rear Panel I/O	
VGA Port	- D-sub x 1
USB 3.1 Gen1 Port	- 2
Lan Port	- 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
Internal Connector	
COM Header	- 1
M.2	- 1 x M-Key (PCIe3.0 x4 or SATAIII 6.0 Gb/s); Supports 22110/2280 form factor
Auxiliary Panel Header	- 1 (include chassis intrusion, 2 front LAN LED, System LED)
TPM Header	- 1 x (14-pin)
IPMB Header	- 1
Fan Header	- 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
USB 3.1 (Gen1) Header	- 1 (supports 2 USB 3.1 Gen1 ports)
PSU SMB Header	- 1
Front Panel	- 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
System BIOS	
BIOS Type	- 16MB AMI UEFI Legal BIOS
BIOS Features	- Plug and Play (PnP) - ACPI 2.0 Compliance Wake Up Events - SMBIOS 2.8 Support - ASRockRack Instant Flash
Hardware Monitor	
Temperature	- CPU/DDR/LAN/Storage Temperature Sensing - MB/Card Side Temperature Sensing
Fan	- CPU/Rear/Front Fan Tachometer - CPU Quiet Fan (Allow Chassis Fan Speed Auto-Adjust by CPU Temperature) - CPU/Rear/Front Fan Multi-Speed Control
Voltage	- Voltage Monitoring: +12V, +5V, +3.3V, CPU Vcore, DRAM, +1.1V,+1.0V, +BAT, 3VSB, 5VSB
Support OS	
OS	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.
Environment	
Temperature	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.

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