

# MJ11-ECO

## AMD EPYC 3251 Embedded Motherboard



### Features

- AMD EPYC™ Embedded 3151 SoC processor
- Dual Channel DDR4 RDIMM/ UDIMM ECC, 4 x DIMMs
- 2 x 1Gb/s LAN ports ( Intel® I210-AT)
- 1 x Dedicated management port
- 1 x SlimSAS (with 4 x SATA 6Gb/s) connector
- 4 x SATA III 6Gb/s ports
- Ultra-Fast M.2 with PCIe Gen3 x4 interface
- 1 x PCIe Gen3 x16 slots with x4 bus

### Specification

<b>Board Size</b>	Mini-ITX 170W x 170D mm	<b>Rear I/O</b>	2 x USB 3.0, 1 x VGA, 2 x RJ45, 1 x MLAN, 1 x POWER button with LED, 1 x ID button with LED
<b>CPU</b>	AMD EPYC™ 3151 SoC processor Single processor, 7nm, TDP 45W Processor Frequency: 2.7GHz-2.9GHz Up to 4-core, 8 threads per processor 2MB L2 Cache, 16MB L3 Cache	<b>TPM</b>	1 x TPM header with LPC interface Optional TPM2.0 kit: CTM000
<b>Socket</b>	SP4r2	<b>OS Compatibility</b>	Windows Server 2012 R2 (x64) / 2016 (x64) / 2019 (x64) RHEL 7.6 (x64) / 8.0 (x64) SLES 11 SP2 (x64) / 12 SP2 (x64) Ubuntu 16.04.6 LTS (x64) / 18.04.2 LTS (x64) VMware ESXi 6.5 Citrix XenServer 7.1 CU2 LTSR
<b>Chipset</b>	System on Chip	<b>Board Management</b>	Aspeed® AST2500 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
<b>Memory</b>	2-Channel DDR4 memory, 4 x DIMM slots UDIMM, UDIMM ECC, RDIMM modules up to 128GB supported Memory speed: Up to 2666 MHz	<b>PSU Connectors</b>	1 x 2 x 4-pin 12V power connector 1 x 2 x 2-pin 5V standby power connector (proprietary design)
<b>LAN</b>	2 x 1GbE LAN ports (Intel® I210-AT) 1 x 10/100/1000 management LAN	<b>Operating Properties</b>	Operating temperature: 10°C to 40°C Operating humidity: 8-80% (non-condensing) Non-operating temperature: -40°C to 60°C Non-operating humidity: 20%-95% (non-condensing)
<b>Video</b>	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp	<b>Packaging Bundle</b>	N/A
<b>SATA</b>	1 x SlimSAS (with 4 x SATAIII or PCIe Gen3 x4) connector 4 x SATAIII ports	<b>Bulk Packaging Content</b>	10 x MJ11-ECO 10 x I/O shields Carton dimensions: 476 x 430 x 233 mm MOQ: 10 PCS MJ11-ECO
<b>RAID</b>	-	<b>Ordering Information</b>	Bulk: 9MJ11ECO0R-00 Part Numbers: - I/O shield: 12AIO-MJ11E0-00R - SATA 6Gb/s cable: 25CF4-500541-K1R - Power cable: 25CRI-450000-S9R
<b>Expansion Slots</b>	1 x PCIe x16 (Gen3 x16) slot 1 x M.2 slot: - M-key, PCIe Gen3 x4, supports NGFF-2280 cards		
<b>Internal I/O</b>	1 x 2 x 4-pin 12V power connector, 1 x 2 x 2-pin 5V standby power connector, 1 x SlimSAS connector, 1 x M.2 slot, 1 x CPU fan header, 2 x System fan headers, 1 x USB 3.0 header, 1 x COM1 header, 1 x Front panel header, 1 x IPMB connector, 1 x PMBUS connector, 1 x Clean CMOS jumper		

\* All specifications are subject to change without notice. Please visit our website for the latest information.

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