1U10E-MILAN2

- 1U Rackmount with 1+1 1600W CRPS
- Dual Socket SP3 (LGA4094), supports AMD EPYC™ 7003 (with AMD 3D V-Cache™ Technology*)/7002 Processors
- 16+16 DIMM slots (2DPC), supports RDIMM, LRDIMM, RDIMM/LRDIMM-3DS
- 10 hot-swap 2.5" NVMe (PCIe4.0 x4) drive bays
- 2 FHHL PCIe4.0 x16
- Supports 1 M.2 (PCIe3.0 x2), 1 M.2 (PCIe3.0 x4 or SATA 6Gb/s)
- 1 OCP NIC 3.0 (PCIe4.0 x16)
- Remote management (IPMI)

Specifications

System	
Form Factor	1U Rackmount
Dimensions	438 x 800 x 43.5 mm (17.2" x 31.5" x 1.7")
Support MB	ROME2D32LM3

Front Panel	
Buttons	Power, Reset
LEDs	Power, HDD
I/O Ports	2 Type-A (USB3.2 Gen1)

External Drive Bay / Storage	
Front Side Drive Bay	External: 10 hot-swap 2.5" NVMe (PCIe4.0 x4) drive bays
Front Side Backplane	10-port NVMe passive backplane
Internal Side	1 M-key (PCIe3.0 x2); support 2280/2242 form factor [CPU1] 1 M-key (PCIe3.0 x4 or SATA 6Gb/s); support 2280/2260/2242/2230 form factor [CPU1]

Power Supply	
Type	1+1 CRPS
Output Watts	1600W
AC Input	100-240V, 47-63Hz

System Fan	
Fan	8 PWM hot-swap 40 x 56 mm fans

Processor System	
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	Dual Socket SP3 (LGA4094)
Chipset	System on Chip

System Memory	
Supported DIMM Quantity	16+16 DIMM slots (2DPC)

Supported Type	Supports DDR4 288-pin RDIMM, LRDIMM, RDIMM/LRDIMM-3DS
Max. Capacity per DIMM	RDIMM: up to 64GB LRDIMM: up to 128GB RDIMM/LRDIMM-3DS: up to 256GB
Max. DIMM Frequency	RDIMM/ LRDIMM: max. 3200MHz
Voltage	1.2V

PCIe Expansion Slots (SLOT7 close to CPU)

PCIe x 16	Rear: 2 FHHL PCIe4.0 x16 [CPU1] [CPU2]

Ethernet

OCP slot	1 OCP NIC 3.0 (PCIe4.0 x16) [CPU1]

Server Management

BMC Controller	ASPEED AST2500
IPMI Dedicated GLAN	1 x Realtek RTL8211E for dedicated management GLAN

Graphics

Controller	ASPEED AST2500: 1 DB15, 1 (15-pin header)

Rear I/O

UID Button/LED	1 UID button w/ LED
VGA Port	1 DB15
Serial Port	1 DB9
USB 3.2 Gen1 Port	2 Type-A (USB3.2 Gen1)
RJ45	1 dedicated IPMI
Others	1 PWR BTN

Hardware Monitor

Temperature	CPU, PCH, 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	CPU1_PVCCIN, CPU2_PVCCIN, PVDDQ_ABCD,PVDDQ_EFGH,PVDDQ_IJKL,PVDDQ_MNOP, 1.05V_PCH,1.8V_PCH, +BAT,PVNN_PCH, 3.3V,5V,12V,3.3VSB, 5VSB

Environment

Temperature	Operation temperature: 10°C ~ 35°C / Non operation temperature: -40°C ~ 70°C
Humidity	Non operation humidity: 20% ~ 90% (Non condensing)

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