

1U2E-C252



- 1U Rackmount with single 315W PSU
- Supports Intel® Xeon® E-2300 and 10th Gen Intel® Pentium® series processors
- 4 DIMM slots (2DPC), supports DDR4 ECC/non-ECC UDIMM
- 2 Hot-swap 2.5" SATA/NVMe drive bays
- 1 fixed 3.5" SATA drive bays or 1 Slim ODD
- Supports 1 M.2 (PCIe3.0 x2 or SATA 6Gb/s)
- 2 RJ45 (1GbE) by Intel® i210
- VGA, HDMI
- Remote Management (IPMI)



HDMI™ (High-Definition Multimedia Interface)

This motherboard supports HDMI™ (High-Definition Multimedia Interface) which is an interface standard for transferring uncompressed video data and delivering multi-channel audio through a single cable. Both video and audio data signals transferred through the HDMI™ interface are digital without being converted into analog, therefore it delivers the richest pictures and the most realistic sounds.

SPECIFICATIONS

System	
Form Factor	1U Rackmount
Dimensions	393.2 x 430 x 43.5 mm (15.5" x 16.93" x 1.71")
Support MB	E3C252D4U
Front Panel	
Buttons	Power, System Reset
LEDs	PWR, HDD Activity, LAN 1/2, System Event
I/O Ports	2 USB3.0 ports
External Drive Bay / Storage	
Front Side Drive Bay	External: 2 Hot-swap 2.5" SATA/NVMe drive bays Internal: 1 fixed 3.5" SATA drive bay or 1 Slim ODD
Internal Side	1 M-key* (PCIe3.0 x2 or SATA 6Gb/s); support 22110/2280/2260 form factor *SATA0 will be disabled when M2_1 populated with SATA device
Power Supply	
Type	Single PSU
Output Watts	315W
Efficiency	80-PLUS Gold
System Fan	
Fan	4 PWM Hot-swap 40 x 28 mm fans
Processor System	
CPU	Supports Intel® Xeon® E-2300 and 10th Gen Intel® Pentium® series processor
Socket	Single Socket H5 (LGA1200)
Chipset	Intel® C252
System Memory	
Supported DIMM Quantity	4 DIMM slots (2DPC)
Supported Type	Supports DDR4 288-pin ECC/non-ECC UDIMM
Max. Capacity per DIMM	ECC/non-ECC UDIMM: up to 32GB
Max. DIMM Frequency	ECC/non-ECC UDIMM: max. 3200* MT/s *Up to DDR4 2666 MHz when installing 10th Gen Intel® Pentium® Series Processors
Voltage	1.2V
Ethernet	
Additional GbE Controller	Intel® i210: 2 RJ45 (1GbE)
Server Management	
BMC Controller	ASPEED AST2500
IPMI Dedicated GLAN	1 x Realtek RTL8211E for dedicated management GLAN
Graphics	

Controller	ASPEED AST2500
VRAM	DDR4 32MB
Rear I/O	
UID Button/LED	1 UID w/ LED
Video Port	1 DB15, 1 HDMI
Serial Port	1 DB9
USB 3.2 Gen1 Port	4 Type-A (USB3.2 Gen1)
RJ45	2 RJ45 (1GbE) by Intel® i210 1 dedicated IPMI
System BIOS	
BIOS Type	AMI UEFI BIOS; 256 Mb (32MB) SPI Flash ROM
BIOS Features	Plug and Play, ACPI 6.2 compliance wake up events, SMBIOS 3.3, ASRock Rack instant flash
Hardware Monitor	
Temperature	CPU,MB,TR1 sensing
Fan	Fan Tachomete, CPU Quiet Fan (Allow Chassis Fan Speed Auto-Adjust by CPU Temperature), Multi-Speed Control
Voltage	VCORE,VCCSA,VCCM,VCCST_SFR, 3.3V, 5V, 12V, +1.05V_PCH_AUX,+BAT, 3VSB, 5VSB,VCCIO,+2.5V_VPP
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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