



EC266D2I-2T/AQC

- mini-ITX (6.7" x 6.7")
- Supports Intel Xeon E-2400 series and Intel® Pentium® Gold G7400/G7400T processors
- 2 DIMM slots (1DPC), supports DDR5 ECC UDIMM
- 1 PCIe5.0 x16
- 1 OCuLink (PCIe4.0 x4 or SATA 6Gb/s)
- 1 OCuLink (PCIe3.0 x4 or SATA 6Gb/s)
- 1 M.2 (PCIe4.0 x4)
- Up to 8 SATA 6Gb/s
- 2 RJ45 (10GbE) by Marvell AQC113
- Remote Management (IPMI)



Specifications

Physical Status	
Form Factor	mini-ITX
Dimensions	6.7" x 6.7" (170.18 mm x 170.18 mm)
Processor System	
CPU	Supports Intel Xeon E-2400 series and Intel® Pentium® Gold G7400/G7400T processors
Socket	Single Socket V1 (LGA 1700)
Chipset	Intel® C266
System Memory	
Supported DIMM Quantity	2 DIMM slots (1DPC)
Supported Type	Supports DDR5 288-pin ECC UDIMM
Max. Capacity per DIMM	32GB
Max. DIMM Frequency	4800MT/s
Voltage	1.1V
PCIe Expansion Slots (SLOT7 close to CPU)	
PCIe x 16	SLOT7: PCIe5.0 x16 [CPU]
TPM	
TPM support	1 (13-pin, SPI)
Other PCIe Expansion Connectors	
M.2 slot	1 M-key (PCIe4.0 x4); support 2280 form factor [CPU]
OCuLink	1 OCuLink (PCIe4.0 x4 or SATA 6Gb/s) [PCH] 1 OCuLink (PCIe3.0 x4 or SATA 6Gb/s) [PCH]
SATA/SAS Storage	
PCH Built-in Storage	Intel® C266 (8 SATA 6Gb/s; RAID 0/1/5/10): 2 OCuLink
Ethernet	
Additional GbE Controller	2 RJ45 (10GbE) by Marvell AQC113
Server Management	
BMC Controller	ASPEED AST2600: iKVM, vMedia support
IPMI Dedicated GLAN	1 RJ45 Dedicated IPMI LAN port by Realtek RTL8211F

Graphics	
Controller	ASPEED AST2600: 1 DB15 (VGA)
Rear I/O	
UID Button/LED	1 UID button, 1 UID LED
VGA Port	1 DB15 (VGA)
USB 3.2 Gen1 Port	2 Type A (USB3.2 Gen1)
RJ45	2 RJ45(10GbE), 1 dedicated IPMI
Internal Connector/Headers	
Power Connector	1 Micro-Fit (4-pin, ATX PSU signal) w/ ATX 24-pin adapter cable, 1 (8-pin, ATX 12V) support 12V DC-in
Other Power Connectors	1 ATX (4-pin) for HDD power when using 12V DC-in power source
Auxiliary Panel Header	1 (9-pin): chassis intrusion, system fault LED, LAN activity LED
System Panel	1 (9-pin): power switch, reset switch, system power LED, HDD activity LED
COM Header	1(9-pin)
Fan Header	3 (4-pin)
Thermal Sensor Header	1
TPM Header	1 (13-pin, SPI)
SGPIO Header	1
SMBus header	1
PMBus header	1
IPMB Header	1
Clear CMOS	1 (contact pads)
Others	1 NCSI header (9-pin)
USB 3.2 (Gen1) Header	1 header (19-pin, 2 USB3.2 Gen1)
LED Indicators	
Standby PWR LED 5vsb	1 (5VSB)
Fan Fail LED	3
BMC heartbeat LED	1
System BIOS	
BIOS Type	AMI 256Mb SPI Flash ROM
BIOS Features	Plug and Play, ACPI 6.4 and above compliance wake up events, SMBIOS 2.8 and above, ASRock Rack Instant Flash
Hardware Monitor	
Temperature	CPU, MB, Card side, M.2, TR1 Temperature sensing
Fan	Fan Tachometer CPU Quiet Fan (Allow Chassis Fan Speed Auto-Adjust by CPU Temperature) Fan Multi-Speed Control
Voltage	3VSB, 5VSB, CPU_VCORE, VCCIN_AUX,VDD2, 1.05V_PCH, 0V82SB_PCH, 1V8SB, BAT, 3V, 5V, 12V, 1.05V_PROC, 1.8V_PROC
Supported OS	
OS	icrosoft Windows® - Server 2022 (64 bit) Linux - Red Hat Enterprise Linux Server 8.5 (64 bit) / 8.7 (64 bit) / 9.2 (64 bit) - CentOS 8.5 (64 bit) - SUSE Enterprise Linux Server 15 SP3 (64 bit) / 15 SP5 (64 bit) - Ubuntu 20.10 (64 bit) / 21.04 (64 bit) / 22.04.2 (64 bit) / 23.04 (64 bit)
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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