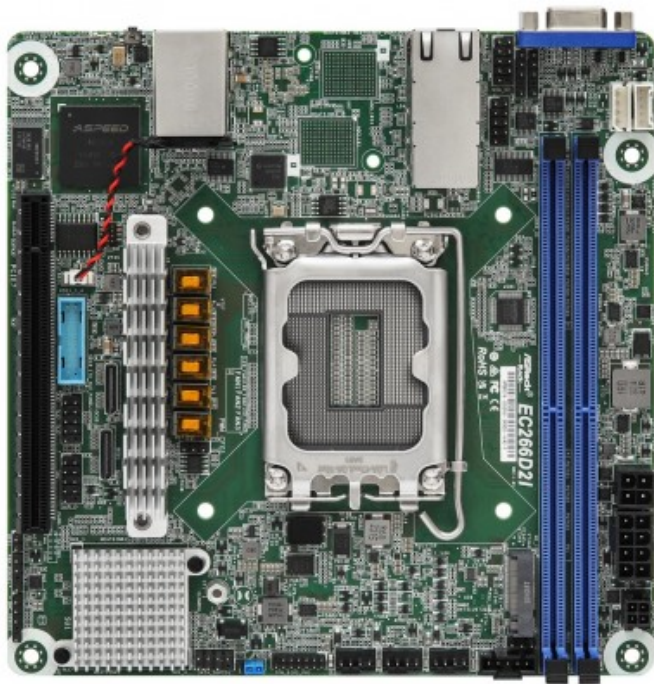


# ASRock EC266D2I, 1xSKT LGA 1700, Intel E-2400, C266, SATA, NVMe, 1xM.2, 2xGbE, IPMI

Part number: EC266D2I



Category	Server
Form Factor	Mini-ITX
Dimensions	6.7" x 6.7"
CPU Socket	LGA 1700 (Socket V0)
# of CPU sockets	1
Supported CPU's	Intel Xeon E-2400 Intel Pentium Gold G7400 Intel Pentium Gold G7400T
Max CPU TDP	95 W
Chipset	Intel C266
Memory Type	DDR5 ECC UDIMM
Memory Speed	4800 MT/s
# of DIMM's	2
Max Memory Size	32 GB
Integrated GPU	ASPEED AST2600
# of PCIe x16 5.0	1
# of USB Ports	2 x USB 3.2(rear) 1 x USB 3.2(header)
# of SATA Ports	2
# of NVMe ports	2
Integrated RAID	0,1,5,10
# of M.2 2280	1
# of 1GbE Ports	2 x RJ45
Network Controllers	Intel i210
Integrated BMC	IPMI Dedicated RJ45
BMC chip	ASPEED AST2600
TPM	1 x TPM 2.0 14-pin Header

## EC266D2I

- Supports ATX PSU or 12V DC-in
- 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 4 SATA 6Gb/s)
- 1 OCuLink (PCIe3.0 x4 or 4 SATA 6Gb/s)
- 1 M.2 (PCIe4.0 x4)
- Up to 8 SATA 6Gb/s

- 2 RJ45 (1GbE) by Intel® i210
- 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]
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### TPM

TPM support	1 (13-pin, SPI)
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### 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 4 SATA 6Gb/s) [PCH] 1 OcuLink (PCIe3.0 x4 or 4 SATA 6Gb/s) [PCH]

### SATA/SAS Storage

PCH Built-in Storage	Intel® C266 (8 SATA 6Gb/s; RAID 0/1/5/10): 2 OcuLink
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### Ethernet

Additional GbE Controller	2 RJ45 (1GbE) by Intel® i210
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### 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)
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## 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(1GbE), 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	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

### 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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