



## EC266D4ID-2T/X550

- Deep mini-ITX (6.7" x 8.2")
- Supports Intel Xeon E-2400 series and Intel® Pentium® Gold G7400/G7400T processors
- 4 DIMM slots (2DPC), supports DDR5 ECC UDIMM
- 1 PCIe5.0 x16
- 1 OCuLink (PCIe4.0 x4 or SATA 6Gb/s), 1 OCuLink (PCIe4.0 x4), 1 OCuLink (PCIe3.0 x4 or SATA 6Gb/s)
- Supports 2 M.2 (PCIe4.0 x4)
- 8 SATA 6Gb/s
- 2 RJ45 (10GbE) by Intel X550
- Supports ATX PSU or 12V DC-in
- Remote Management (IPMI)



## Specifications

<b>Physical Status</b>	
Form Factor	Deep mini-ITX
Dimensions	6.7" x 8.2" (170.18 mm x 208.28 mm)
<b>Processor System</b>	
CPU	Supports Intel Xeon E-2400 series and Intel® Pentium® Gold G7400/G7400T processors
Socket	Single Socket LGA 1700
Thermal Design Power	95W
Chipset	Intel® C266
<b>System Memory</b>	
Supported DIMM Quantity	4 DIMM slots (2DPC)
Supported Type	Supports DDR5 288-pin ECC UDIMM
Max. Capacity per DIMM	32GB
Max. DIMM Frequency	4400MT/s (2DPC - 1DIMM) / 4000MT/s (2DPC - 2DIMM 1R) / 3600MT/s (2DPC - 2DIMM 2R)
Voltage	1.1V
<b>PCIe Expansion Slots (SLOT7 close to CPU)</b>	
PCIe x 16	SLOT1: PCIe5.0 x16 [CPU]
<b>TPM</b>	
TPM support	1 (13-pin, SPI)
<b>Other PCIe Expansion Connectors</b>	
M.2 slot	1 M-key (PCIe4.0 x4); support 2280 form factor [PCH] 1 M-key (PCIe4.0 x4); support 2280 form factor [CPU]
OCuLink	1 OCuLink (PCIe4.0 x4) [PCH] 1 OCuLink (PCIe4.0 x4 or 4 SATA 6Gb/s) [PCH] 1 OCuLink (PCIe3.0 x4 or 4 SATA 6Gb/s) [PCH]
<b>SATA/SAS Storage</b>	
PCH Built-in Storage	Intel® C266 (8 SATA 6Gb/s; RAID 0/1/5/10): 2 OCuLink
<b>Ethernet</b>	
Additional GbE Controller	2 RJ45 (10GbE) by Intel® X550

<b>Server Management</b>	
BMC Controller	ASPEED AST2600: iKVM, vMedia support
IPMI Dedicated GLAN	1 RJ45 Dedicated IPMI LAN port by Realtek RTL8211F
<b>Graphics</b>	
Controller	ASPEED AST2600: 1 DB15 (VGA)
<b>Rear I/O</b>	
UID Button/LED	1 UID button w/ LED
VGA Port	1 DB15 (VGA)
USB 3.2 Gen1 Port	2 Type A (USB3.2 Gen1)
RJ45	2 RJ45(10GbE), 1 dedicated IPMI
<b>Internal Connector/Headers</b>	
Power Connector	1 Mirco-Fit (4-pin, ATX PSU signal) w/ ATX 24-pin adapter cable, 2 (8-pin, ATX 12V) support 12V DC-in
Other Power Connectors	1 SATA-Power (4-pin)
Auxiliary Panel Header	1 (18-pin): chassis intrusion, system fault LED, LAN1/LAN2 activity LED, locate, SMBus
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)
TPM Header	1 (13-pin, SPI)
SGPIO Header	1
SMBus header	1
PMBus header	1
IPMB Header	1
Clear CMOS	1 (2-pin)
Others	1 NCSI (9-pin)
USB 3.2 (Gen1) Header	1 header (19-pin, 2 USB3.2 Gen1)
NMI Header	1
<b>LED Indicators</b>	
Standby PWR LED 5vsb	1 (5VSB)
Fan Fail LED	3
BMC heartbeat LED	1
<b>System BIOS</b>	
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
<b>Hardware Monitor</b>	
Temperature	CPU, MB, Card side, VR, 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, VCCSA, BAT, 3V, 5V, 12V
<b>Supported OS</b>	
OS	<p>Microsoft® Windows:</p> <ul style="list-style-type: none"> <li>- Windows® Server 2022</li> <li>- Azure Stack HCI</li> </ul> <p>Linux:</p> <ul style="list-style-type: none"> <li>- RHEL 8.5</li> <li>- SLES 15 SP3</li> <li>- Ubuntu 21.04 LTS</li> </ul> <p>Hypervisor:</p> <ul style="list-style-type: none"> <li>- VMware ESXi 8.0 u1</li> <li>- Linux KVM (Linux OSes)</li> </ul>

	- Hyper-V (Windows® Server)
<b>Environment</b>	
Temperature	Operation temperature: 10°C ~ 35°C / Non operation temperature: -40°C ~ 70°C
Humidity	Non operation humidity: 20% ~ 90% ( Non condensing)

The specification is subject to change without notice in advance. ASRock Rack is the official trademark for ASRock Rack Inc., all the covers need to remain the original brand name without any modification. All other brands, names and trademarks are the property of their respective owners.



+886-2-5559-9600  
+886-2-2893-1557

asrockrack\_sales@asrockrack.com  
4F., No.37, Sec.2, Jhongyang S. Rd., Beitou District, Taipei City 112, Taiwan (R.O.C)

[www.asrockrack.com](http://www.asrockrack.com)

[@ASROCKRACK](https://twitter.com/ASROCKRACK)

[ASRock Rack Inc.](https://www.linkedin.com/company/asrock-rack-inc)

**FOLLOW US !!**