



X570D4I-2T

- mini-ITX (6.7" x 6.7")
- Supports AMD Ryzen™ 5000 Series Desktop Processors
- 4 DIMM slots (2DPC), supports ECC/non-ECC SODIMM
- 1 PCIe4.0 x16
- 2 OCuLink (PCIe4.0 x4 or 4 SATA 6Gb/s)
- Supports 1 M.2 (PCIe4.0 x4 or SATA 6Gb/s)
- 9 SATA 6Gb/s
- 2 RJ45 (10GbE) by Intel® X550-AT2
- Remote Management (IPMI)

Specifications

Physical Status	
Form Factor	mini-ITX
Dimensions	6.7" x 6.7" (170.2 mm x170.2 mm)
Processor System	
CPU	Supports: AMD Ryzen™ 5000, 4000 and 3000 G-Series Desktop Processors with Radeon™ Graphics AMD Ryzen™ 5000 and 3000 Series Desktop Processors AMD Ryzen™ PRO 5000, 4000 and 3000 Series Desktop Processors
Socket	Single Socket AM4 (PGA1331)
Chipset	AMD X570
System Memory	
Supported DIMM Quantity	4 DIMM slots (2DPC)
Supported Type	Supports DDR4 260-pin ECC*/non-ECC SO-DIMM *For AMD Ryzen Desktop Processors with Radeon Graphics, ECC support is only with Processors with PRO technologies.
Max. Capacity per DIMM	up to 32GB
Max. DIMM Frequency	One DIMM: 1R DIMM @2933MT/s; 2R/2DR DIMM@2400T/s Two DIMMs: 2400MT/s
Voltage	1.2V
PCIe Expansion Slots (SLOT7 close to CPU)	
PCIe x 16	SLOT7: PCIe4.0 x16* [CPU] *Supports PCIe3.0 x8 when using AMD Ryzen™ 3000 G-Series Desktop Processors with Radeon™ Graphics *Supports PCIe3.0 x16 when using AMD Ryzen™ 5000, 4000 G-Series Desktop Processors with Radeon™ Graphics
Other PCIe Expansion Connectors	
M.2 slot	1 M-key (PCIe4.0* x4 or SATA 6Gb/s), supports 2280 form factor *Supports PCIe3.0 when using AMD Ryzen™ 5000, 4000 and 3000 G-Series Desktop Processors with Radeon™ Graphics
OCuLink	2 OCuLink (PCIe4.0* x4 or 4 SATA 6Gb/s) *Supports PCIe3.0 when using AMD Ryzen™ 5000, 4000 and 3000 G-Series Desktop Processors with Radeon™ Graphics
SATA/SAS Storage	
PCH Built-in Storage	AMD X570 (9 SATA 6Gb/s, support RAID 0/1/10): 2 OCuLink, 1 M.2
Ethernet	
Interface	10000/1000 /100 /10 Mbps

Additional GbE Controller	2 x RJ45 10GLAN by Intel® X550-AT2 Supports Wake-On-LAN Supports Energy Efficient Ethernet 802.3az Supports Dual LAN with Teaming function Supports PXE
Server Management	
BMC Controller	ASPEED AST2500
IPMI Dedicated GLAN	1 x Realtek RTL8211E for dedicated management GLAN
Features	Watch Dog
Graphics	
Controller	ASPEED AST2500
VRAM	DDR4 16MB
Rear I/O	
UID Button/LED	1 UID w/ LED
VGA Port	1 DB15 (VGA)
USB 3.2 Gen2 Port	2 Type-A (USB3.2 Gen2)
RJ45	2 RJ45 (10GbE) 1 dedicated IPMI
Internal Connector/Headers	
Power Connector	8pin(DC-IN)+4pin(ATX)
Other Power Connectors	1 (4-pin, HDD PWR)
Auxiliary Panel Header	1 (include Caseopen,sys_fault_LED, 2FLANLED))
System Panel	1 (RST, PWRBTN, HDDLED, PWRLED)
COM Header	1
Speaker Header	1 (4-pin)
Fan Header	3 (4-pin)
TPM Header	1 (13-pin)
SMBus header	1
PMBus header	1
IPMB Header	1
Clear CMOS	1
USB 3.2 (Gen1) Header	1 (19-pin, 2 USB3.2 Gen1)
LED Indicators	
Fan Fail LED	3
System BIOS	
BIOS Type	32MB AMI UEFI Legal BIOS
BIOS Features	Plug and Play (PnP) ACPI 2.0 Compliance Wake Up Events SMBIOS 2.8.0 Support ASRock Rack Instant Flash
Hardware Monitor	
Temperature	CPU/DDR temperature sensing MB/Card side temperature sensing
Fan	Fan Tachometer Quiet Fan (Allow Chassis Fan Speed Auto-Adjust by CPU Temperature) Fan Multi-Speed Control
Voltage	Voltage Monitoring: +12V, +5V, +3.3V, CPU Vcore, DRAM, 1.05V_PCH, +BAT, 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)

The specification is subject to change without notice in advance. The brand and product names are trademarks of their respective companies. Any configuration other than original product specification is not guaranteed.