

ASRock X570D4I-2T, 1xSKT AM4, AMD Ryzen, X570, SATA, 1xM.2, 2x10GbE, IPMI

Part number: X570D4I-2T



Category	Server
Form Factor	Mini-ITX
Dimensions	6.7" x 6.7"
CPU Socket	PGA 1331 (Socket AM4)
# of CPU sockets	1
Supported CPU's	AMD Ryzen 5000G AMD Ryzen 4000G AMD Ryzen 3000G AMD Ryzen 5000 AMD Ryzen 3000 AMD Ryzen PRO 5000 AMD Ryzen PRO 4000 AMD Ryzen PRO 3000
Memory Type	DDR4 ECC SO DIMM DDR4 non-ECC SO DiMM
Memory Speed	2933 MT/s 2400 MT/s
# of DIMM's	4
Max Memory Size	128 GB
# of PCIe x16 4.0	1
Integrated RAID	0,1,10
# of 10GbE Ports	2 x RJ45
Integrated BMC	IPMI Dedicated RJ45
BMC chip	ASPEED AST2500
TPM	1 x TPM 2.0 13-pin Header

X570D4I-2T

- Supports AMD Ryzen™ 3rd Generation Series Processors(Max 105W))
- Supports 4x DDR4 ECC and non-ECC SO DIMM, total DIMM size 128GB
- Supports up to 8 x SATA3 by OCulink and 1x M.2 ports
- Integrated IPMI 2.0 with KVM and Dedicated LAN (RTL8211E)
- Supports 1x PCIe Gen4x16 link (Matisse)
- Supports 2x 10GLAN Intel X550-AT2

Specifications

Physical Status

Form Factor - mini-ITX

Dimensions - 6.7" x 6.7" (17.02 cm x17.02 cm)

Processor System

CPU	- AMD Ryzen™ 3 rd Generation Series Processors(Max 105W) *We recommend using the CPU HS listed in the Cooler QVL section on our ASRock Rack website.
Socket	- AM4 PGA 1331
Chipset	- AMD Premium X570

System Memory

Capacity	- 4 x DDR4 SO DIMM slots
Type	- Dual Channel DDR4 memory technology, Support DDR4 ECC & non-ECC SO DIMM - Supports DDR4 ECC/UDIMM, up to 2933MHz One DIMM: 1R DIMM @2933MT/s; 2R/2DR DIMM@2400T/s Two DIMMs: (2) 1R DIMM @2400 MT/s; (2) 2R/2DR DIMM@2400MT/s; Max per DIMM size is: 32 GB *Conditionally support ECC error reporting function
Voltage	- 1.2V

Expansion Slot

PCIe 4.0 x 16	-PCIe7: Gen4x16 link (Matisse)* *When use Picasso CPU, only PCIe3.0 x8
---------------	---

Storage

SATA Controller	- AMD X570:8 x SATA3 by OCulink
M.2 slot	-1 (2280, supports PCIe 4.0 x4/SATA3 6.0Gb/s)* *When use Picasso CPU, only PCIe3.0 x4

Ethernet

Interface	- 10000/1000 /100 /10 Mbps
LAN 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

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 Panel I/O

VGA Port	- 1 x D-Sub
USB 3.2 Gen2 Port	- 2(Gen2)

Lan Port	- RJ45:2+1(IPMI) - LAN Ports with LED (ACT/LINK LED and SPEED LED)
UID Button/UID LED	- 1

Internal Connector

COM Header	- 1
SATA DOM	- 0
M.2	- 1(M-key,only 2280, Support PCIe 4.0 x4 or SATA3 6.0Gb/s) *When use Picasso CPU, only PCIe3.0 x4
OCuLink	-2(4xSATA3 6.0Gb/s/PCIe 4.0x4 for each) *When use Picasso CPU, only PCIe3.0 x4
Auxiliary Panel Header	- 1 (include Caseopen,sys_fault_LED, 2FLANLED)
TPM Header	- 1(13pin)
IPMB Header	- 1
Buzzer	- N/A
Fan Header	- 3(4-pin Fan header)
USB 3.2 (Gen1) Header	- 1 (support 2 USB 3.0)
USB 2.0 Header	- N/A
Front Panel	- 1 (RST, PWRBTN, HDDLED, PWRLED)
Speaker Header	- 1(4pin)
SMBUS from BMC	- 1
Power Connector	- 8pin(DC-IN)+4pin(ATX)+4pin(HDD PWR)
ME/SPS Recovery	- N/A
Clear CMOS	- 1
PSU SMB Header	- 1

Onboard LED

80 Debug Port LED	- N/A
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

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.

Visit us for more info:

<https://www.superstorage.pl/asrock-x570d4i-2t-1xskt-am4-amd-ryzen-x570-sata-1xm2-2x10gbe-ipmi-p-4538.html>