

ASRock X470D4U2-2T, 1xSKT AM4, AMD Ryzen, X470, SATA, 2xM.2, 2x10GbE, IPMI

Kod producenta: X470D4U2-2T



Category	Server
Form Factor	Micro-ATX
Dimensions	9.6" x 9.6"
CPU Socket	PGA 1331 (Socket AM4)
# of CPU sockets	1
Supported CPU's	AMD Ryzen 5000G AMD Ryzen 4000G AMD Ryzen 3000G AMD Ryzen 2000G AMD Ryzen 5000 AMD Ryzen 3000 AMD Ryzen 2000 AMD Ryzen PRO 5000 AMD Ryzen PRO 4000 AMD Ryzen PRO 3000 AMD Ryzen PRO 2000
Chipset	X470
Memory Type	DDR4 ECC UDIMM DDR4 non-ECC UDIMM
Memory Speed	3200 MHz 2666 MHz
# of DIMM's	4
Max Memory Size	128 GB
Integrated GPU	ASPEED AST2500
# of PCIe x16 3.0	1
# of USB Ports	2 x USB 3.2 (rear) 2 x USB 3.1 (header)
# of SATA Ports	5
# of SATA DOM power	1
# of 10GbE Ports	2 x RJ45
# of 1GbE Ports	2 x RJ45
BMC chip	ASPEED AST2500
TPM	1 x TPM 2.0 17-pin Header

X470D4U2-2T

- Supports AMD AM4 Socket Ryzen™ Series CPUs
- Supports 4x DDR4 ECC and non-ECC UDIMM, max. 128 GB
- Supports up to 6 x SATA3 6.0Gb/s (included 1 SATA DOM), 2 x M.2
- Integrated IPMI 2.0 with KVM and Dedicated LAN (RTL8211E)
- Supports 2 x RJ45 10G base-T by Intel X550-AT2
- Supports 2 x PCIe 3.0 x16, 1 x PCIe 2.0 x1

Specyfikacja

Parametry płyty głównej

Standard	- micro-ATX
Wymiary	- 9.6" x 9.6" (24.4 cm x 24.4 cm)

Procesor

CPU	- AMD AM4 Socket Ryzen Series CPUs (Raven Ridge and Pinnacle Ridge) and Ryzen 7nm CPUs
Socket	- AM4 PGA 1331
Chipset	- AMD X470

Pamięć operacyjna

Pojemność	- 4 x 288-pin DDR4 DIMM slots - Support up to 128GB DDR4 ECC/UDIMM
Rodzaj	- Dual Channel DDR4 memory technology - Support DDR4 ECC/UDIMM
DIMM Size Per DIMM	- ECC/UDIMM: 32GB, 16GB, 8GB
DIMM Frequency	- ECC/UDIMM: 2666/2400/2133 MHz *Conditionally support ECC error reporting function *Different memory frequency support please refer our user manual P19.
Napięcie	- 1.2V

Sloty rozszerzeń

PCIe 3.0 x 16	- PCIE6: Gen3 x16 link (splittable in x4/4/4/4); auto switch to x8 link when PCIE4 is occupied. - PCIE4: Gen3 x8 link
PCIe 2.0 x 1	- PCIE5: Gen2 x1 link

Magazynowanie

Kontroler SATA	- 6 x SATA3 6.0 Gb/s (1x SATA DOM port), support RAID 0, 1, 10
M.2 slot	- 2 (2242/2260/2280/22110, supports SATA3 and PCIe 3.0 x2 or supports PCIe 2.0 x4 only)

Ethernet

Interfejs	- 10000/1000 /100 /10 Mbps
Kontroler LAN	- 2 x RJ45 10G base-T by Intel® X550-AT2 - 1 x RJ45 Dedicated IPMI LAN port by RTL8211E - Supports Wake-On-LAN - Supports Energy Efficient Ethernet 802.3az - Supports Dual LAN with Teaming function - Supports PXE - LAN3 supports NCSI

Zarządzanie

Kontroler BMC	- ASPEED AST2500
IPMI Dedicated GLAN	- 1 x Realtek RTL8211E for dedicated management GLAN
Funkcje	- Watch Dog

Grafika

Kontroler	- ASPEED AST2500
VRAM	- DDR4 256MB
Tylny panel I/O	
Port VGA	- 1 x D-Sub
Port USB 3.2	- 2
Port Lan	- 2 x RJ45 10 Gigabit Ethernet LAN ports - 1 x RJ45 Dedicated IPMI LAN port - LAN Ports with LED (ACT/LINK LED and SPEED LED)
Port szeregowy	- 1 x COM port
UID Button/UID LED	- 1
Złącza wewnętrzne	
SATA DOM	- 1
M.2	- 2(M2_1: 2242/2260/2280/22110, PCIE(X4); M2_2:2242/2260/2280/22110, SATA/PCIE(X2))
Złącze panelu AUX	- 1 (includes chassis intrusion, location button & LED, front LAN LED, system fault, and BMC alert)
Złącze TPM	- 1
Złącze IPMB	- 1
Brzęczyk	- 1
Złącze wentylatorów	- 6 Fans x 4-pin (FAN1(CPU)/FAN2~FAN6(5Front))
ATX Power	- 1 x (24-pin) + 1 x (8-pin)
Złącze panelu USB 3.2 (Gen1)	- 1 (supports 2 USB 3.1 Gen1 ports)
PSU SMB Header	- 1
Panel frontowy	- 1 (RST, PWRBTN, HDDLED, PWRLED)
BMC_SMB Header	- 1
Clear CMOS	- 1 (short pad)
Onboard LED	
Port 80 LED	- 1
Fan Fail LED	- 6 (only Fan Fail LED)
BIOS	
Rodzaj BIOS	- 16MB AMI UEFI Legal BIOS
Cechy BIOS	- Plug and Play (PnP) - ACPI 2.0 Compliance Wake Up Events - SMBIOS 2.8 Support - ASRock Rack Instant Flash
Hardware Monitor	
Temperatura	- CPU/DDR/LAN Temperature Sensing - MB/Card Side Temperature Sensing

Wentylator	- Fan Tachometer - Quiet Fan (Allow Chassis Fan Speed Auto-Adjust by CPU Temperature) - Fan Multi-Speed Control
Napięcie	- Voltage Monitoring: +12V, +5V, +3.3V, CPU Vcore, DRAM, 1.05V_PCH, +BAT, 3VSB, 5VSB

Obsługiwane systemy

System operacyjny	Microsoft® Windows: Windows® 10 (64 bit) Linux: - Ubuntu 16.04.4 (64 bit) - RedHat Enterprise Linux Server 7.3 (64bit) / 7.4 (64bit) * Please refer to our website for the latest OS support list. * On Linux system doesn't support Raid mode * Support UEFI BOOT only
-------------------	---

Środowisko

Temperatura Operation temperature: 10°C ~ 35°C / Non operation temperature: -40°C ~ 70°C

Specyfikacja może ulec zmianie bez wcześniejszego powiadomienia. Marka i nazwy produktów są znakami towarowymi ich właścicieli. Działanie konfiguracji innych niż wynikające ze specyfikacji nie jest gwarantowane.

Strona firmowa produktu:

<https://www.superstorage.pl/asrock-x470d4u2-2t-1xskt-am4-amd-ryzen-x470-sata-2xm2-2x10gbe-ipmi-p-4743.html>