ASRock X470D4U2/1N1, 1xSKT AM4, AMD Ryzen, X470, 6xSATA, 2xM.2, 2xGbE, IPMI
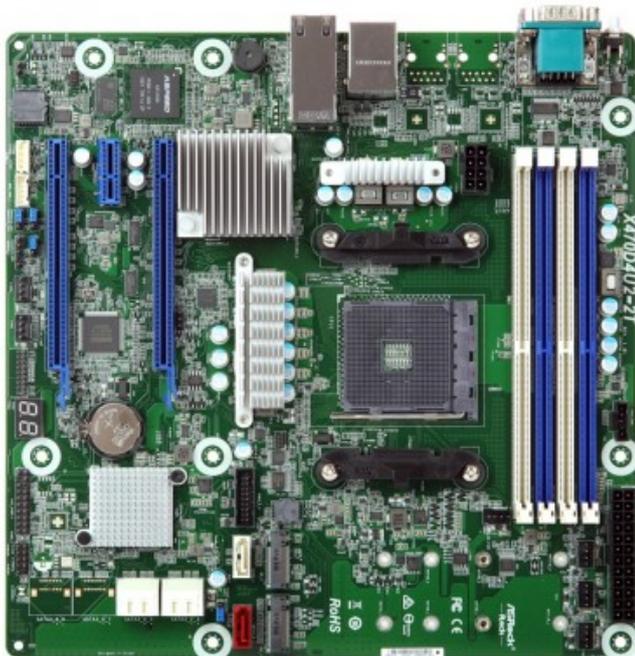
Kod producenta: X470D4U2/1N1

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 5000 AMD Ryzen 3000 AMD Ryzen PRO 5000 AMD Ryzen PRO 4000 AMD Ryzen PRO 3000
Chipset	X470
Memory Type	DDR4 ECC UDIMM DDR4 non-ECC UDIMM
Memory Speed	3200 MHz 2933 MHz 2666 MHz 2400 MHz 2133 MHz
# of DIMM's	4
Max Memory Size	128 GB
Integrated GPU	ASPEED AST2500
# of PCIe x16 3.0	1
# of PCIe x1 2.0	1
# of USB Ports	2 x USB 3.0 (rear) 2 x USB 3.0 (header)
# of SATA Ports	6
# of SATA DOM power	1
Integrated RAID	0,1,10
# of 1GbE Ports	2 x RJ45
Integrated BMC	IPMI Dedicated RJ45
BMC chip	ASPEED AST2500
TPM	1 x TPM 2.0 17-pin Header

X470D4U2/1N1

- Supports AMD AM4 Socket Ryzen™ PRO/ Ryzen™ 2nd and 3rd generation series processors
- Supports 4x DDR4 ECC and non-ECC UDIMM, max. 128 GB
- Supports up to 6x SATA3 6.0Gb/s(6x SATA3 6.0Gb/s from X470)

- Integrated IPMI 2.0 with KVM and Dedicated LAN (RTL8211E)
- Supports 2x GLAN by Intel I210AT

Specyfikacja

Parametry płyty głównej	
Standard	- mATX
Wymiary	- 9.6'' x 9.6'' (24.4 cm x 24.4 cm)
Procesor	
CPU	- AMD AM4 Socket Ryzen™ PRO/ Ryzen™ 2nd and 3rd generation series processors
Socket	- AM4 PGA 1331
Chipset	- AMD Promontory 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* *Conditionally support ECC error reporting function *For Picasso Ridge and Raven Ridge CPUs, ECC is only supported with PRO CPUs.
DIMM Size Per DIMM	- ECC/UDIMM: 32GB, 16GB, 8GB
DIMM Frequency	- ECC/UDIMM: 3200/2933/2666/2400/2133 MHz *Different memory frequency support please refer our user manual P19.
Napięcie	- 1.2V
Sloty rozszerzeń	
PCIe 3.0 x 16	- SLOT6: Gen3 x16 link (splittable in x4/4/4/4); auto switch to x8 link when SLOT4 is occupied. - SLOT4: Gen3 x8 link
PCIe 3.0 x 8	- SLOT5: 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 or PCIe 3.0 x2 and supports PCIe 2.0 x4 only)
Ethernet	
Interfejs	- 1000 /100 /10 Mbps by Intel® i210AT
Kontroler LAN	- 2 x RJ45 GLAN by Intel® i210AT - 1 x RJ45 Dedicated IPMI LAN port - Supports Wake-On-LAN - Supports Energy Efficient Ethernet 802.3az - Supports Dual LAN with Teaming function - Supports PXE - LAN1 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 16MB

Tylny panel I/O

Port VGA	- 1 x D-Sub
Port USB 3.0	- 2
Port Lan	- 2 x RJ45 Gigabit Ethernet LAN ports - 1 x RJ45 Dedicated IPMI LAN port - LAN Ports with LED (ACT/LINK LED and SPEED LED)
Port szeregowy	- 1
UID Button/UID LED	- 1

Złącza wewnętrzne

Port śledź COM	- N/A
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 (include C_CASEOPEN#[]SYSTEM_FAULT_LED[]LAN1 & LAN2 LED, location button & LED,BMC alert)
Złącze TPM	- 1
Złącze IPMB	- 1
Brzęczyk	- 1
Złącze wentylatorów	- 6 Fans x 4-pin (FAN1(CPU)/FAN2~FAN6(5Front))
ATX Power	- 1x (24-pin) + 1x (8-pin)
Złącze panelu USB 3.2 (Gen1)	- 1 (supports 2 USB 3.1 Gen1 ports)
Złącze panelu USB 2.0	- N/A
Głośnik	- N/A
BMC_SMB Header	- 1
ME/SPS Recovery	- N/A
Clear CMOS	- 1 (short pad)
PSU SMB Header	- 1

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 2.8.0 Support - ASRock Rack Instant Flash

Hardware Monitor

Temperatura	- CPU/DDR 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 powiadamiania. 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-x470d4u21n1-1xskt-am4-amd-ryzen-x470-6xsata-2xm2-2xgbe-ipmi-p-5674.html