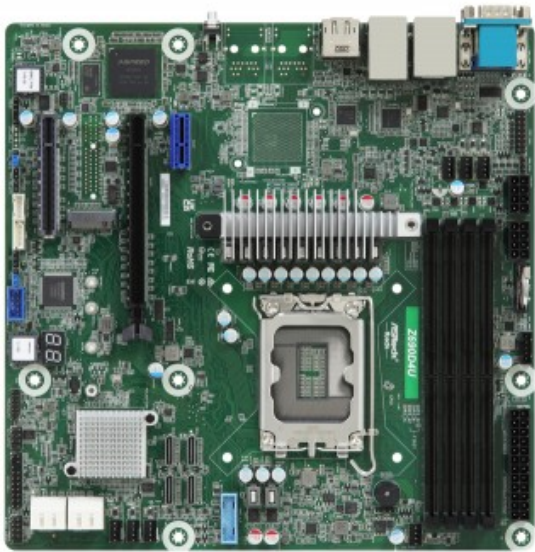


ASRock Z690D4U, 1xSKT LGA1700, Intel Core 12/13 Gen., Z690, 4xDIMM, SATA, 1xM.2, 2x1GbE, IPMI

Kod producenta: Z690D4U



Category	Server
Form Factor	Micro-ATX
Dimensions	9.6" x 9.6"
CPU Socket	LGA 1700 (Socket V)
# of CPU sockets	1
Supported CPU's	Intel Core 12th Gen. Intel Core 13th Gen. Intel Core 14th Gen.
Chipset	Z690
Memory Type	DDR5 non-ECC UDIMM
Memory Speed	4400 MT/s 4000 MT/s 3600 MT/s
# of DIMM's	4
Max Memory Size	128
Integrated GPU	ASPEED AST2600
# of PCIe x16 4.0	1
# of PCIe x8 4.0	1
# of USB Ports	2 x USB 3.2 (rear) 2 x USB 3.2 (header) 2 x USB 2.0 (header)
# of SATA Ports	4
Integrated RAID	0,1,5,10
# of Serial Ports	1 x DB9
# of 1GbE Ports	2 x RJ45
Integrated BMC	IPMI Dedicated RJ45
BMC chip	ASPEED AST2600
TPM	1 x TPM 2.0 13-pin Header

Z690D4U

- Micro-ATX (9.6" x 9.6")
- Supports 12th & 13th Gen Intel® Core™, Pentium® and Celeron® series processors
- 4 DIMM slots (2DPC), supports DDR5 non-ECC UDIMM
- 1 PCIe4.0 x16*, 1 PCIe4.0 x8*, 1 PCIe3.0 x1
- 3 OCuLink (PCIe4.0 x4), 1 OCuLink (PCIe4.0 x4 or 4 SATA 6Gb/s)
- Supports 1 M.2 (PCIe3.0 x4)
- 2 RJ45 (1GbE) by Intel® i210
- Up to 8 SATA 6Gb/s
- 1 VGA, 1 HDMI, 1 DisplayPort

- Remote Management (IPMI)

Specyfikacja

Parametry płyty głównej	
Standard	Micro-ATX
Wymiary	9.6" x 9.6" (244 mm x 244 mm)
Procesor	
CPU	Supports 12th & 13th Gen Intel® Core™, Pentium® and Celeron® series processors
Socket	Single Socket LGA 1700
Zasilanie	125W
Chipset	Intel® Z690
Pamięć operacyjna	
Pojemność	4 DIMM slots (2DPC)
Rodzaj	DDR5 288-pin non-ECC UDIMM
DIMM Size Per DIMM	32GB
Max. DIMM Frequency	4400MT/s (2DPC-1DIMM) / 4000MT/s (2DPC-2DIMM 1R) / 3600MT/s (2DPC-2DIMM 2R)
Napięcie	1.1V
Sloty rozszerzeń	
PCIe x 16	SLOT6: PCIe4.0 x16* [CPU] *SLOT6 auto-switch to PCIe4.0 x8 when SLOT4 occupied
PCIe x 8	SLOT4: PCIe4.0 x8* [CPU]
PCIe x 1	SLOT7: PCIe3.0 x1 [PCH]
Magazynowanie	
Kontroler SATA	Intel Z690 (up to 8 SATA 6Gb/s; RAID 0/1/5/10): 4 SATA 7-pin, 1 OCuLink
OCuLink for U.2	1 OCuLink (PCIe4.0 x4) [CPU] 1 OCuLink (PCIe4.0 x4 or 4 SATA 6Gb/s) [PCH] 2 OCuLink (PCIe4.0 x4) [PCH]
M.2 slot	1 M-key (PCIe3.0 x4); support 2280/2260/2242/2230 form factor [PCH]
Ethernet	
Additional GbE Controller	2 RJ45 (1GbE) by Intel® i210
Zarządzanie	
Kontroler BMC	ASPEED AST2600: iKVM, vMedia support
IPMI Dedicated GLAN	1 RJ45 Dedicated IPMI LAN port by Realtek RTL8211F
Grafika	
Kontroler	ASPEED AST2600: 1 DB15 (VGA) Intel® Integrated Processor Graphics: 1 HDMI, 1 DisplayPort
Tylny panel I/O	

Port VGA	1 DB15 (VGA), 1 HDMI, 1 DisplayPort
Port USB 3.0	2 Type A (USB3.2 Gen1)
Port Lan	2 RJ45(1GbE), 1 dedicated IPMI
Port szeregowy	1 DB9 (COM)
UID Button/UID LED	1 button w/ LED

Złącza wewnętrzne

Power Connector	1 (24-pin, ATX main power), 2 (8-pin, ATX 12V)
Złącze panelu AUX	1 (18-pin): chassis intrusion, system fault LED, LAN1/LAN2 activity LED, locate, SMBus
Złącze TPM	1 (13-pin, SPI)
Złącze czujnika temperatury	1
Złącze IPMB	1
Złącze VGA	1
Brzęczyk	1
Złącze wentylatorów	7 (4-pin)
Złącze panelu USB 3.2 (Gen1)	1 (19-pin, 2 USB3.2 Gen1)
Złącze panelu USB 2.0	1 (9-pin, 2 USB2.0)
NMI Header	1
System Panel	1 (9-pin): power switch, reset switch, system power LED, HDD activity LED
Głośnik	1 (4-pin)
BMC_SMB Header	1
SGPIO Header	1
Clear CMOS	1 (contact pads)
ME/SPS Recovery	1

Onboard LED

Standby PWR LED 5vsb	1
Port 80 LED	1
Fan Fail LED	7
BMC heartbeat LED	1

BIOS

Rodzaj BIOS	AMI 256 Mb SPI Flash ROM
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Cechy BIOS	Plug and Play (PnP), ACPI 6.4 and above compliance wake up events, SMBIOS 2.8 and above, ASRock Rack Instant Flash
Hardware Monitor	
Temperatura	CPU, MB, Card side, VR, M.2, TR1 Temperature sensing
Wentylator	Fan Tachometer CPU Quiet Fan (Allow Chassis Fan Speed Auto-Adjust by CPU Temperature) Fan Multi-Speed Control
Napięcie	3VSB, 5VSB, CPU_VCORE, VCCIN_AUX,VDD2, 1.05V_PCH, 0V82SB_PCH, VCCGT, 1V8SB, VCCSA, BAT, 3V, 5V, 12V
Obsługiwane systemy	
System operacyjny	Microsoft® Windows® : Windows® 10 (64 bit) Windows® 11 (64 bit) Linux : RedHat Enterprise Linux Server 8.5 (64 bit) CentOS 8.5 (64 bit) SUSE SLES 15.2 (64 bit) UBuntu 21.10 (64 bit) * Supports UEFI BOOT only.
Środowisko	
Temperatura	Operation temperature: 10°C ~ 35°C / Non operation temperature: -40°C ~ 70°C
Humidity	Non operation humidity: 20% ~ 90% (Non condensing)

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-z690d4u-1xskt-lga1700-intel-core-1213-gen-z690-4xdimm-sata-1xm-2-2x1gbe-ipmi-p-5782.html>