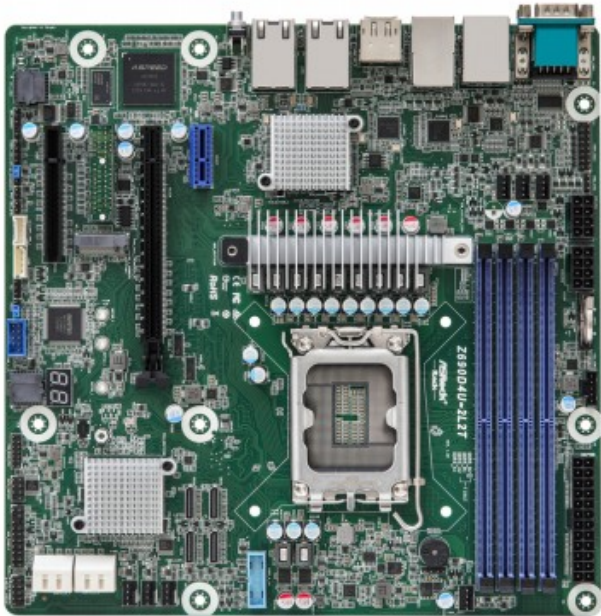


ASRock Z690D4U-2L2T, 1xSKT LGA1700, Intel Core 12/13 Gen., Z690, 4xDIMM, SATA, 1xM.2, 2xGbE, 2x10GbE, IPMI

Kod producenta: Z690D4U-2L2T



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 14th Gen. Intel Core 13th Gen. Intel Core 12th 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 GB
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
# of 10GbE Ports	2 x RJ45
# 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-2L2T

- 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 (10GbE) by Intel® X710
- 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 (PCIe3.0x4) [PCH]; support 2280/2260/2242/2230 form factor
Ethernet	
Additional GbE Controller	2 RJ45 (10GbE) by Intel® X710 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(10GbE), 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
Cechy BIOS	Plug and Play (PnP), ACPI 6.4 and above compliance wake up events, SMBIOS 2.8 and above, ASRock Back-Blaze 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.
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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-2l2t-1xskt-lga1700-intel-core-1213-gen-z690-4xdimm-sata-1xm2-2xgbe-2x10gbe-ipmi-p-5783.html>