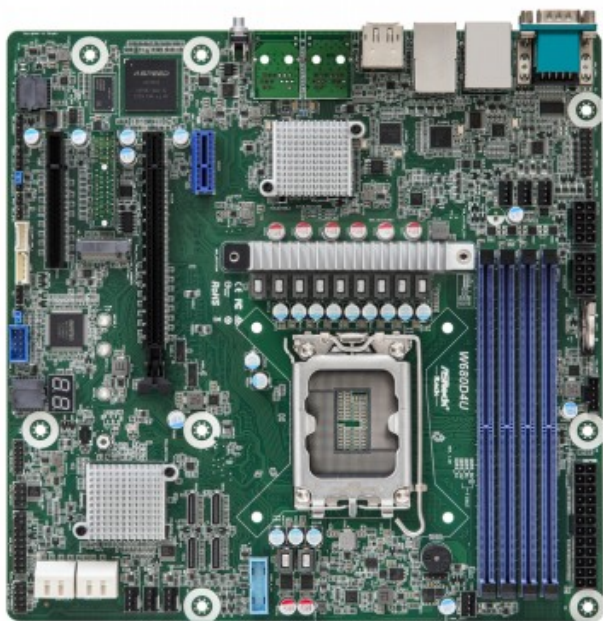


ASRock W680D4U, 1xSKT LGA1700, Intel Core 12/13 Gen., W680, 4xDIMM, SATA, 1xM.2, 2x1GbE, IPMI

Kod producenta: W680D4U



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	W680
Memory Type	DDR5 ECC UDIMM 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 1GbE Ports	2 x RJ45
Integrated BMC	IPMI Dedicated RJ45
BMC chip	ASPEED AST2600
TPM	1 x TPM 2.0 13-pin Header

W680D4U

- Micro-ATX (9.6" x 9.6")
- Supports 12th & 13th Gen Intel® Core™ series processors
- 4 DIMM slots (2DPC), supports DDR5 ECC/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™ series processors
Socket	Single Socket LGA 1700
Zasilanie	125W
Chipset	Intel W680

Pamięć operacyjna

Pojemność	4 DIMM slots (2DPC)
Rodzaj	DDR5 288-pin ECC/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 W680 (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 (1GbE) by Intel® i210
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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
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Tyłny panel I/O

Port VGA	1 DB15 (VGA), 1 HDMI, 1 DisplayPort
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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)
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 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 (64bit) / 7.9 (64bit)
	- CentOS 8.5 (64 bit) / 7.9 (64bit)
	- SUSE SLES 15.2 (64 bit) / 12.5 (64bit)
	Hypervisor :
	- VMWare® ESXi 7.0 U3d
	- VMWare® ESXi 6.7.0 U3
	* Supports UEFI BOOT only.
	* The Linux system doesn't support Raid Mode.

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 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-w680d4u-1xskt-lga1700-intel-core-1213-gen-w680-4xdimm-sata-1xm2-2x1gbe-ipmi-p-5780.html>