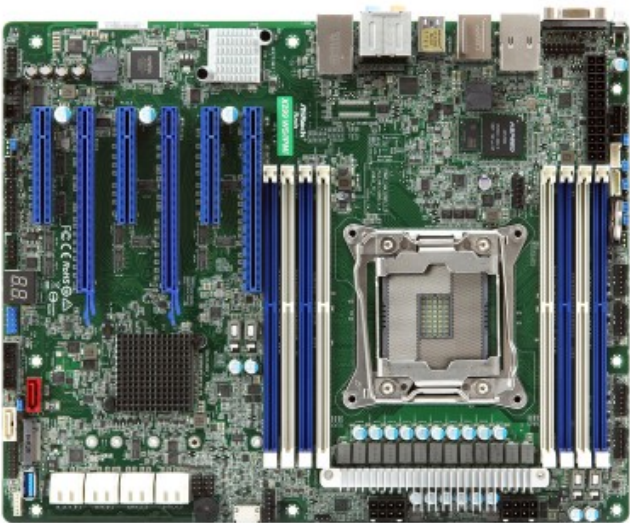


ASRock X299 WS/IPMI, 1xSKT LGA2066, Intel Core X-series, X299, 8xDIMM, SATA, NVMe, 1xM.2, 2xGbE, Audio, IPMI

Kod producenta: X299 WS/IPMI



Category	Workstation
Form Factor	ATX
Dimensions	12" x 9.6"
CPU Socket	LGA 2066 (Socket R4)
# of CPU sockets	1
Supported CPU's	Intel Core X
Chipset	X299
Memory Type	DDR4 non-ECC UDIMM
Memory Speed	2666 MHz 2400 MHz 2133 MHz 1866 MHz 1600 MHz
# of DIMM's	8
Max Memory Size	128 GB
Integrated GPU	ASPEED AST2500
# of PCIe x16 3.0	2
# of PCIe x4 3.0	1
# of PCIe x8 3.0	3
# of USB Ports	4 x USB 3.0 (rear) 1 x USB 3.2 (rear) 1 x USB Type C (rear) 2 x USB 3.0 (header) 2 x USB 2.0 (header) 1 x USB 3.2 (port)
# of SATA Ports	9
# of SATA DOM power	1
# of 1GbE Ports	2 x RJ45
Integrated BMC	IPMI Dedicated RJ45
BMC chip	ASPEED AST2500
TPM	1 x TPM 2.0 17-pin Header

X299 WS/IPMI

- Support Intel Core™ X-Series Processor Family for the LGA 2066 Socket
 - Support four channels DDR4 2666 U DIMM(might up to 4400+ w/ OC)
 - Support 10 SATA3, 8 SATA3 by X299(1x SATA3 share with SATA DOM or M.2) and 2 SATA3 by 88SE9172
 - Support 1x OCulink for U.2
 - Support 2x PCIe 3.0 x16□3x PCIe 3.0 x8. 1xPCIe 3.0x4
 - Support Intel i350
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Specyfikacja

Parametry płyty głównej	
Standard	- ATX
Wymiary	- 12.0-in x 9.6-in (30.5 cm x 24.4 cm)
Procesor	
CPU	- Intel® Core™ X-Series Processor Family
Socket	- Single Socket R4(LGA 2066)
Chipset	- Intel® X299
Pamięć operacyjna	
Pojemność	- 8 x 288-pin DDR4 DIMM slots - Support up to 128GB U DIMM
Rodzaj	- Four Channel DDR4 memory technology
DIMM Size Per DIMM	- NON-ECC U DIMM: 4GB, 8GB, 16GB
DIMM Frequency	- NON-ECC U DIMM: 2666(1DIMM per channel)/ 2400(2DIMM per channel)/2133/1866/1600MHz
Napięcie	- 1.2V
Sloty rozszerzeń	
PCIe 3.0 x 16	- Slot4: Gen3 x16 link, auto switch to x8 link if Slot3 is occupied. - Slot6: Gen3 x16 link, auto switch to x8 link if Slot5 is occupied.
PCIe 3.0 x 8	- Slot2: Gen3 x8 link - Slot3: Gen3 x8 link - Slot5: Gen3 x8 link
PCIe 3.0 x 4	- Slot1: Gen3 x4 link
M.2	- 1 (2230/2242/2260/2280/22110, support PCIE(x4)/SATA 3)
Magazynowanie	
Kontroler SATA	- 8 x SATA3 6Gb/s (SATA 0-6 SATA Conn, SATA7 by SATA DOM/M.2)
Additional Storage Controller	- 88SE9172: 2x SATA3 6Gb/s (mSATA0-1 by SATA conn)
OCuLink for U.2	- 1 (from PCH)
Ethernet	
Interfejs	- 1000 /100 /10 Mbps
Kontroler LAN	- 2 x RJ45 GLAN by Intel® i350 - 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 (Intelligent Platform Management Interface) 2.0 with Ikmv and vMedia support
IPMI Dedicated GLAN	- 1 x Realtek RTL8211E for dedicated management GLAN

Funkcje	- NMI
Grafika	
Kontroler	- ASPEED AST2500
VRAM	- DDR4 4GB
GPU Support	
Technology	- Supports NVIDIA® 4-Way SLI™ Technology - Supports AMD Quad-GPU CrossFireX™ Technology
Audio	
Audio Codec	- Realtek ALC892
Tyłny panel I/O	
PS/2 KB/Mouse	- 1
Port VGA	- N/A
Port USB 3.0	- 4
Port USB 3.2	- 2 (1 type A, 1 type C)
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)
Audio	- 1(5+1 jack)
Złącza wewnętrzne	
Port śledź COM	- 1
SATA DOM	- 1
Złącze panelu AUX	- 1 (includes chassis intrusion, location button & LED, and front LAN LED)
TR1	- 1
Złącze TPM	- 1
Złącze IPMB	- 1
Złącze VGA	- 1
Brzęczyk	- 1
NVME	- 1 (Oculink from PCH)
Złącze wentylatorów	- 6 x 6-pin Fans (1CPU/5 system)
ATX Power	- 1x (24-pin) + 1x (8-pin) + 1x (8-pin)
Złącze panelu USB 3.2 (Gen1)	- 1 (supports 2 USB3.0 ports)
Złącze panelu USB 2.0	- 1 (supports 2 USB2.0 ports)
Port USB 3.2 (Gen1) Type A	- 1
PWR SMB Header	- 1
NMI Button	- 1
Panel frontowy	- 1

Głośnik	- 1
BMC_SMB Header	- 1
SGPIO Header	- 2
Clear CMOS	- 1 (header and short pin)

Onboard LED

Port 80 LED	- 1
Fan Fail LED	- 1 (Fan Fail LED only)

BIOS

Rodzaj BIOS	- 128Mb 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 Temperature Sensing - System Temperature Sensing - Card side Temperature Sensing - System TR Temperature Sensing
Wentylator	- CPU/Front Fan Tachometer - CPU Quiet Fan (Allow CPU Fan Speed Auto-Adjust by CPU Temperature) - CPU/Front Fan Multi-Speed Control
Napięcie	- Voltage Monitoring: Vcore, VCCSA, VCCIO, VCCMAB, VCCMCD, 3v, 5v, 12v, 1.05V_PCH, 1.05V_PCH_PHY, +BAT, 3VSB, 5VSB, 5V_Dual, 5V_Dual2

Obsługiwane systemy

System operacyjny	Microsoft® Windows® - Windows® 10 (64 bit)
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Środowisko

Temperatura	Operation temperature: 10°C ~ 35°C / Non operation temperature: -40°C ~ 70°C
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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-x299-wsipmi-1xskt-lga2066-intel-core-series-x299-8xdimm-sata-nvm-e-1xm2-2xgbe-audio-ipmi-p-4824.html>