

ASUS WS X299 PRO/SE Intel® X299 LGA 2066 (Socket R4) ATX

Brand : ASUS

Product code: 90SW00A0-M0EAY0

Product name : WS X299 PRO/SE

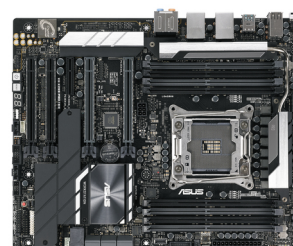
- ASUS Control Center: A software utility that provides convenient, secure and cost-saving centralized IT management for small and medium businesses

- ASMB9-iKVM (BMC) : supports remote BIOS updates, fans control, standalone KVM, video recording, and BSOD capture, providing around-the-clock remote monitoring and diagnostics through remote console (Web GUI & CLI)

- Ultra-efficient VRM heatsink: Metal fin array connected to large surface area via a heatpipe tames X299 thermals to enable unthrottled performance

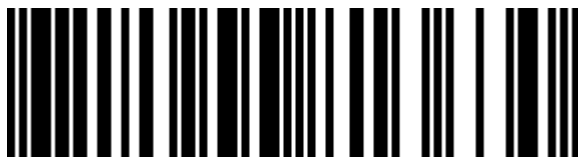
- Next-gen transfer speeds: Up to 32Gbps dual M.2 and U.2, plus up to 10Gbps USB 3.1 Type-A and Type-C connections

Intel X299, LGA 2066, 8x DDR4 DIMM, 4x PCIe 3.0 x16, 1x PCIe 3.0 x4, 2x M.2, U.2, 6x SATA III, LAN, USB 3.1, S/PDIF, ATX, 304.8x243.8 mm



Processor		Internal I/O	
Processor manufacturer *	Intel	Thunderbolt headers	1
Processor socket *	LGA 2066 (Socket R4)	12V power connector	✓
Compatible processor series *	Intel® Core™ X-series	Rear panel I/O ports	
Maximum number of SMP processors	1	USB 2.0 ports quantity *	4
Memory		USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
Supported memory types *	DDR4-SDRAM	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1
Number of memory slots *	8	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Memory slots type	DIMM	Ethernet LAN (RJ-45) ports *	2
ECC compatibility	Non-ECC	Microphone in	✓
Supported memory clock speeds	2400,2666,2933,3600,4000,4133 MHz	S/PDIF out port	✓
Maximum internal memory *	256 GB	Network	
Unbuffered memory	✓	Ethernet LAN	✓
Storage controllers		Ethernet interface type	Gigabit Ethernet
Supported storage drive types	HDD & SSD	LAN controller	Intel® I211-AT
Supported storage drive interfaces *	M.2, SATA III	Wi-Fi *	✗
Number of HDDs supported	6	Features	
Number of storage drives supported	8	Motherboard chipset *	Intel® X299
RAID levels	0, 1, 5, 10	Audio chip	Realtek S1220A
Graphics		Audio output channels *	7.1 channels
Parallel processing technology support *	3-Way CrossFireX, 3-Way SLI	Component for *	PC
On-board graphics card	✓	Motherboard form factor *	ATX
On-board graphics card model	Aspeed AST2500	Motherboard chipset family *	Intel
On-board graphics card memory	64 MB	Power source type	ATX

Internal I/O		Expansion slots	
USB 2.0 connectors *	1	Number of M.2 (M) slots	2
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	BIOS	
Number of SATA III connectors *	6	Clear CMOS button	✓
Front panel connector	✓	Processor special features	
ATX Power connector (24-pin)	✓	Intel Extreme Memory Profile (XMP)	✓
Number of EATX power connectors	1	Weight & dimensions	
CPU fan connector	✓	Width	305 mm
EPS power connector (8-pin)	✓	Depth	244 mm
Number of COM connectors	1	Height	291 mm
TPM connector	✓	Packaging content	
		Manual	✓
		Drivers included	✓
		Other features	
		PCI Express x4 (Gen 3.x) slots	1
		Weight	2.29 kg
		VGA connectors	1



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