

ASUS PRO WS W680-ACE IPMI Intel W680 LGA 1700 ATX

Brand : ASUS

Product code: 90MB1DN0-M0EAY1

Product name : PRO WS W680-ACE IPMI

Intel® W680 (LGA 1700) ATX motherboard, PCIe® 5.0, DDR5, IPMI expansion card, dual Intel® 2.5 Gb Ethernet, PCIe 4.0 M.2, USB 3.2 Gen 2x2 front panel connector, SlimSAS, SATA 6 Gbps, HDMI®, DisplayPort and VGA

ASUS PRO WS W680-ACE IPMI. Processor manufacturer: Intel, Processor socket: LGA 1700, Compatible processor series: Intel® Celeron®, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium® Gold. Supported memory types: DDR5-SDRAM, Maximum internal memory: 192 GB, Memory slots type: DIMM. Supported storage drive interfaces: M.2, NVMe, SATA III, Supported storage drive types: HDD & SSD, RAID levels: 0, 1, 5, 10. Ethernet interface type: 2.5 Gigabit Ethernet. Component for: PC, Motherboard form factor: ATX, Motherboard chipset family: Intel



Processor		Rear panel I/O ports	
Processor manufacturer *	Intel	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Processor socket *	LGA 1700	Ethernet LAN (RJ-45) ports *	2
Compatible processor series *	Intel® Celeron®, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium® Gold	IPMI LAN (RJ-45) port	✓
Maximum number of SMP processors	1	VGA (D-Sub) ports quantity *	1
Supported processor sockets	LGA 1700	HDMI ports quantity *	1
Memory		HDMI version	2.1
Supported memory types *	DDR5-SDRAM	DisplayPorts quantity	1
Number of memory slots *	4	DisplayPort version	1.4
Memory slots type	DIMM	Line-in	✓
Memory channels	Dual-channel	Microphone in	✓
ECC compatibility	ECC & Non-ECC	Network	
Maximum internal memory *	192 GB	Ethernet LAN	✓
Unbuffered memory	✓	Ethernet interface type	2.5 Gigabit Ethernet
Storage controllers		Wi-Fi *	✗
Supported storage drive types	HDD & SSD	Features	
Supported storage drive interfaces *	M.2, NVMe, SATA III	Motherboard chipset *	Intel W680
Number of HDDs supported	4	Audio output channels *	7.1 channels
Number of storage drives supported	7	Component for *	PC
RAID support	✓	Motherboard form factor *	ATX
RAID levels	0, 1, 5, 10	Motherboard chipset family *	Intel
		Cooling type	Passive
		Power source type	ATX

Graphics		Features	
Parallel processing technology support *	Not supported	Windows operating systems supported	Windows 10, Windows 11
Internal I/O		Expansion slots	
USB 2.0 connectors *	2	PCI Express x1 (Gen 3.x) slots	1
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	PCI Express x16 (Gen 3.x) slots	2
USB 3.2 Gen 2x2 connectors	1	PCI Express x16 (Gen 5.x) slots	2
Number of SATA III connectors *	4	Number of M.2 (M) slots	3
Front panel audio connector	✓	1st M.2 largest key size	2280
Front panel connector	✓	1st M.2 highest PCI Express generation	4.0
ATX Power connector (24-pin)	✓	2nd M.2 largest key size	2280
CPU fan connector	✓	2nd M.2 highest PCI Express generation	4.0
Number of chassis fan connectors	3	3rd M.2 largest key size	22110
Peripheral (Molex) power connectors (4-pin)	1	3rd M.2 highest PCI Express generation	4.0
EPS power connector (8-pin)	✓	BIOS	
Number of COM connectors	1	BIOS type *	UEFI AMI
TPM connector	✓	BIOS memory size	256 Mbit
Thunderbolt headers	1	Weight & dimensions	
12V power connector	✓	Width	305 mm
Integrated SAS ports	1	Depth	244 mm
Rear panel I/O ports		Packaging content	
USB 2.0 ports quantity *	2	Cables included	SATA, USB
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	User guide	✓
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1	Other features	
		Back-to-BIOS button	✓
		Number of M.2 (E) slots	1



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