ASUS PRIME H670-PLUS D4 Intel H670 LGA 1700 ATX

Brand : ASUS

Product code: 90MB18W0-M0EAY0

Product name : PRIME H670-PLUS D4

- Intel® LGA 1700 socket: Ready for 12th Gen Intel® processors
- Ultrafast connectivity: PCIe 4.0 slots, three M.2 slots, Realtek 2.5Gb Ethernet and Thunderbolt™ 4 support
- Comprehensive cooling: VRM heatsink, M.2 heatsink, PCH heatsink, hybrid fan headers and Fan Xpert 2+
- ASUS OptiMem: Careful routing of traces and vias to preserve signal integrity for improved memory stability

Intel® H670 (LGA 1700) ATX motherboard with 8 power stages, PCIe 4.0 slots, three M.2 slots, rear USB 3.2 Gen 2 Type-C®, Realtek 2.5Gb Ethernet, Thunderbolt™ 4 header support, DisplayPort, HDMI®, Aura Sync

Processor

Processor manufacturer *	Intel
Processor socket *	LGA 1700
Compatible processor series *	Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium®, Intel® Pentium® Gold
Maximum number of SMP processors	1

Memory

Supported memory types *	DDR4-SDRAM
Number of memory slots *	4
Memory slots type	DIMM
Memory channels	Dual-channel
Non-ECC	✓
Supported memory clock speeds	2133,2400,2666,2800,2933,3000,3200,3333,3400,3466,3600,3733,3866,4000,4266,4400,4600,4800,5000,5066 MHz
Maximum internal memory *	128 GB
Unbuffered memory	✓

Storage controllers

Supported storage drive types	HDD & SSD
Supported storage drive interfaces *	M.2, SATA
RAID levels	0, 1, 5, 10

Graphics

Number of displays supported	2

Internal I/O

USB 2.0 connectors *	2
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2
Number of SATA III connectors *	4
S/PDIF out connector	✓
Front panel audio connector	✓
ATX Power connector (24-pin)	✓
CPU fan connector	✓
Number of chassis fan connectors	3
EPS power connector (8-pin)	✓
Number of COM connectors	1
Thunderbolt headers	1
12V power connector	✓

Rear panel I/O ports

USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Ethernet LAN (RJ-45) ports *	1
HDMI ports quantity *	1
HDMI version	2.1
DisplayPorts quantity	1
DisplayPort version	1.4
Headphone outputs	1
Microphone in	✓
USB connector type	USB Type-A, USB Type-C

Network

Ethernet LAN	✓
Ethernet interface type	2.5 Gigabit Ethernet
Wi-Fi *	✗

Features

Motherboard chipset *	Intel H670
Audio output channels *	7.1 channels
Component for *	PC
Motherboard form factor *	ATX
Motherboard chipset family *	Intel
Windows operating systems supported	Windows 10 x64, Windows 11 x64

Expansion slots

PCI Express x1 (Gen 3.x) slots	2
PCI Express x16 (Gen 3.x) slots	1
PCI Express x16 (Gen 4.x) slots	1
Number of M.2 (M) slots	3

BIOS

BIOS type *	UEFI AMI
BIOS memory size	192 Mbit

Internal I/O		**Logistics data**	
RGB LED pin header	✔	Harmonized System (HS) code	84733020
Rear panel I/O ports		**Weight & dimensions**	
USB 2.0 ports quantity *	2	Width	305 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	Depth	244 mm
		Height	53 mm
		Packaging content	
		Cables included	SATA
		Drivers included	✔
		Other features	
		Weight	707 g

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