

ASUS PRIME Z370-P LGA 1151 (Socket H4) ATX

Brand : ASUS

Product code: 90MB0VH0-M0EAY0

Product name : PRIME Z370-P

PRIME Z370-P, Intel Z370, LGA1151, 8th Generation Intel processors, 4 x DDR4 4000MHz, Realtek ALC887, Realtek RTL8111H, ATX

ASUS PRIME Z370-P LGA 1151 (Socket H4) ATX:

Intel LGA-1151 ATX motherboard with LED lighting, DDR4 4000MHz, Dual M.2, Intel Optane Memory Ready, HDMI, SATA 6Gb/s, USB 3.1 Gen 1.

- Ready for the latest Intel processors: LGA1151 socket for 8th Generation Intel Core desktop CPUs
- ASUS OptiMem: Careful routing of traces and vias to preserve signal integrity for improved memory overclocking
- 5X Protection III: Multiple hardware safeguards for all-round protection
- Fan Xpert 4 Core: Flexible controls for ultimate cooling and quietness
- Ultrafast connectivity: Dual native M.2 and NVMe PCIe RAID support for lightning-fast storage speeds
- Intel Optane memory ready: The latest high-speed storage technology.



Processor		Rear panel I/O ports	
Processor manufacturer *	Intel	USB 2.0 ports quantity *	2
Processor socket *	LGA 1151 (Socket H4)	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
Compatible processor series *	Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7	Ethernet LAN (RJ-45) ports *	1
Maximum number of SMP processors	1	PS/2 ports quantity	1
Supported processor sockets	LGA 1151 (Socket H4)	HDMI ports quantity *	1
Memory		DVI-D ports quantity *	1
Supported memory types *	DDR4-SDRAM	Headphone outputs	1
Number of memory slots *	4	Microphone in	✓
Memory slots type	DIMM	Network	
Memory channels	Dual-channel	Ethernet LAN	✓
ECC compatibility	Non-ECC	Ethernet interface type	Gigabit Ethernet
Supported memory clock speeds	2133,4000 MHz	LAN controller	Realtek RTL8111H
Maximum internal memory *	64 GB	Features	
Unbuffered memory	✓	Audio chip	Realtek ALC887
Storage controllers		Audio output channels *	7.1 channels
Supported storage drive types	HDD & SSD	PC health monitoring	CPU, Fan, Power supply, Temperature, Voltage
Supported storage drive interfaces *	M.2, SATA III	Component for *	PC
RAID levels	0, 1, 5, 10	Motherboard form factor *	ATX
Graphics		Motherboard chipset family *	Intel
Parallel processing technology support *	CrossFireX	Cooling type	Passive
Graphics card family	Intel	Power source type	ATX
Discrete graphics support	✓	Windows operating systems supported	✓

Internal I/O		Expansion slots	
USB 2.0 connectors *	2	PCI Express x1 (Gen 3.x) slots	4
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	PCI Express x16 (Gen 3.x) slots	2
Number of SATA III connectors *	4	Number of M.2 (M) slots	2
Number of SATA connectors	4	BIOS	
S/PDIF out connector	✓	BIOS type *	UEFI
Front panel audio connector	✓	BIOS memory size	16 Mbit
Front panel connector	✓	ACPI version	6.0
ATX Power connector (24-pin)	✓	Processor special features	
CPU fan connector	✓	Intel Extreme Memory Profile (XMP)	✓
Number of chassis fan connectors	2	Intel® Optane™ Memory Ready	✓
EPS power connector (8-pin)	✓	Weight & dimensions	
Number of COM connectors	1	Width	226 mm
		Height	305 mm
		Packaging content	
		Cables included	SATA
		Manual	✓
		Drivers included	✓



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