GIGABYTE

GIGABYTE GA-Z170-HD3 Intel® Z170 LGA 1151 (Socket H4) ATX

Brand : GIGABYTE

Product name : GA-Z170-HD3

Product code: GAZ170HD3-00-B

Socket LGA1151, Intel Z170 Express Chipset, 4x DDR4 max 64GB, 1x Gigabit Ethernet, 6x SATA III, 3x SATA Express, M.2, ATX
GIGABYTE GA-Z170-HD3. Processor manufacturer: Intel, Processor socket: LGA 1151 (Socket H4), Compatible processor series: Intel® Celeron®, Intel® Pentium®. Supported memory types: DDR4-SDRAM, Maximum internal memory: 64 GB, Memory slots type: DIMM. Supported storage drive interfaces: M.2, SATA III, Supported storage drive types: HDD & SSD, RAID levels: 0, 1, 5, 10. Parallel processing technology support: 2-Way CrossFireX, Maximum graphics card memory: 1024 MB, Graphics card family: Intel. HDMI version: 1.4a

Processor

Processor manufacturer *	Intel
Processor socket *	LGA 1151 (Socket H4)
Compatible processor series *	Intel® Celeron®, Intel® Pentium®

Memory

Supported memory types *	DDR4-SDRAM
Number of memory slots *	4
Memory slots type	DIMM
Memory channels	Dual-channel
ECC compatibility	ECC & Non-ECC
Supported memory clock speeds	2133,2400,2666,2800,3000,3200,3300,3333,3400,3466 MHz
Maximum internal memory *	64 GB

Storage controllers

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

Graphics

Maximum graphics card memory	1024 MB
Parallel processing technology support *	2-Way CrossFireX
Graphics card family	Intel
Maximum resolution	4096 x 2160 pixels
Number of displays supported	3

Internal I/O

USB 2.0 connectors *	2
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2
Number of SATA III connectors *	6
Number of SATA Express connectors	3
S/PDIF out connector	✔
Front panel audio connector	✔
Front panel connector	✔
ATX Power connector (24-pin)	✔
Power fan connector	✔
CPU fan connector	✔

Rear panel I/O ports

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
Ethernet LAN (RJ-45) ports *	1
PS/2 ports quantity	1
VGA (D-Sub) ports quantity *	1
HDMI ports quantity *	1
HDMI version	1.4a
DVI-D ports quantity *	1
Headphone outputs	1
Microphone in	✔

Network

Ethernet LAN	✔
Ethernet interface type	Gigabit Ethernet

Features

Motherboard chipset *	Intel® Z170
Audio output channels *	7.1 channels
Component for *	PC
Motherboard form factor *	ATX
Motherboard chipset family *	Intel
Power source type	ATX
Windows operating systems supported	Windows 10 Education x64, Windows 10 Enterprise x64, Windows 10 Home x64, Windows 10 Pro x64, Windows 7 Enterprise, Windows 7 Enterprise x64, Windows 7 Home Basic, Windows 7 Home Basic x64, Windows 7 Home Premium, Windows 7 Home Premium x64, Windows 7 Professional, Windows 7 Professional x64, Windows 7 Starter, Windows 7 Starter x64, Windows 7 Ultimate, Windows 7 Ultimate x64, Windows 8.1 Enterprise x64, Windows 8.1 Pro x64, Windows 8.1 x64

Internal I/O

TPM connector	✔
Parallel connector	✔
Serial port headers	1
Thunderbolt headers	1

Rear panel I/O ports

USB 2.0 ports quantity *	2

Expansion slots

PCI Express x1 slots	2
PCI Express x4 slots	1
PCI Express x16 slots	1
PCI slots	2
Number of M.2 (M) slots	1

BIOS

BIOS type *	UEFI AMI
BIOS memory size	128 Mbit
ACPI version	5.0
Clear CMOS jumper	✔

Processor special features

Intel® Smart Response Technology	✔
Intel Extreme Memory Profile (XMP)	✔

Weight & dimensions

Width	305 mm
Depth	199 mm

Packaging content

Cables included	SATA
Manual	✔
Drivers included	✔
Bundled software	CFosSpeed Norton Internet Security (OEM version)

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