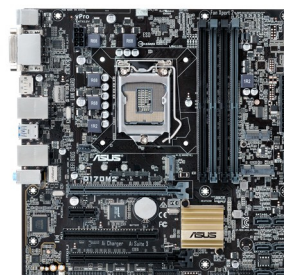# ASUS Q170M2 motherboard Intel® Q170 LGA 1151 (Socket H4) micro ATX

Brand : ASUS

Product name : Q170M2

Product code: Q170M2

Chipset Intel Q170, Socket LGA1151, DDR4, 64GB, 4096 x 2304, UEFI AMI BIOS, Micro-ATX
ASUS Q170M2. 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. Parallel processing technology support: Quad-GPU CrossFireX, Maximum graphics card memory: 1024 MB, Graphics card family: Intel. Ethernet interface type: Gigabit Ethernet, LAN controller: Intel I219LM

Processor

Processor manufacturer *	Intel
Processor socket *	LGA 1151 (Socket H4)
Compatible processor series *	Intel® Celeron®, Intel® Pentium®
Intel Core i3/i5/i7/i9 series	i3-6xxx, i5-6xxx, i7-6xxx

Memory

Supported memory types *	DDR4-SDRAM
Number of memory slots *	4
Memory slots type	DIMM
Memory channels	Dual-channel
ECC compatibility	Non-ECC
Supported memory clock speeds	2133 MHz
Maximum internal memory *	64 GB
Unbuffered memory	✔

Storage controllers

Supported storage drive interfaces *	M.2, SATA III

Graphics

Maximum graphics card memory	1024 MB
Parallel processing technology support *	Quad-GPU CrossFireX
Graphics card family	Intel
Graphics card	HD Graphics
Maximum resolution	4096 x 2304 pixels
Discrete graphics support	✔
Number of displays supported	3

Internal I/O

USB 2.0 connectors *	1

Features

Audio output channels *	7.1 channels
Component for *	PC
Motherboard form factor *	micro ATX
Motherboard chipset family *	Intel
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

Expansion slots

PCI Express x1 (Gen 2.x) slots	1
PCI Express x1 (Gen 3.x) slots	1
PCI Express x16 (Gen 2.x) slots	1
PCI Express x16 (Gen 3.x) slots	1
PCI slots	1
Mini PCI Express slot (half-length)	1
Number of M.2 (M) slots	1

BIOS

BIOS type *	UEFI AMI
BIOS memory size	16 Mbit
ACPI version	5.0

Internal I/O

USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2
Number of SATA III connectors *	6
Front panel audio connector	✔
Number of EATX power connectors	1
CPU fan connector	✔
Number of chassis fan connectors	2
Chassis intrusion connector	✔
Number of COM connectors	2

Rear panel I/O ports

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	6
Ethernet LAN (RJ-45) ports *	2
PS/2 ports quantity	2
DVI-D ports quantity *	1
DVI-I ports quantity	1
DisplayPorts quantity	1

Network

Ethernet LAN	✔
Ethernet interface type	Gigabit Ethernet
LAN controller	Intel I219LM
Wi-Fi *	✘
Bluetooth	✘

Features

Motherboard chipset *	Intel® Q170
Audio chip	Realtek ALC887

Processor special features

Intel® Virtualization Technology (Intel® VT)	VT-d
Intel Trusted Execution Technology	✔
Intel Rapid Storage Technology	✔
Intel® High Definition Audio (Intel® HD Audio)	✔
Processor with Intel Graphics Technology required	✔
Intel ME Firmware Version	11
Conflict-Free	✔
Intel® Turbo Boost Technology	2.0
Intel Stable Image Platform Program (SIPP)	✔
Intel® Small Business Advantage (Intel® SBA)	✔
Intel® Smart Response Technology	✔
Intel Extreme Memory Profile (XMP)	✔
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Rapid Storage Technology enterprise	✘

Weight & dimensions

Width	244 mm
Depth	244 mm

Packaging content

Cables included	SATA

Other features

Intel® vPro™ Platform Eligibility	✔

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