

H310M2 R2.0/FPT II

Note: The specifications are subject to change without notice.

CPU	LGA1151 socket for 8th Generation Intel® Core™ i7/ i5/ i3/Pentium®/Celeron® Processors Supports 14nm CPU Supports Intel® Turbo Boost Technology 2.0* * The Intel® Turbo Boost Technology 2.0 support depends on the CPU types. ** Refer to www.asus.com for Intel® CPU support list.
Chipset	Intel® H310 Chipset
Memory	4 x DIMM, max. 64GB, DDR4 2666/ 2400/ 2133 MHz, Non-ECC, Un-buffered Memory** Dual channel memory architecture Supports Intel® Extreme Memory Profile (XMP) *** The maximum memory frequency supported varies by processor. *** DDR4 2666MHz and higher memory modules will run at max. 2666MHz on Intel® 8th Gen. 6-core or higher processors. **** Due to Intel® chipset limitation, this motherboard can only support single-side meomries when four modules are installed and they will run at the maximum transfer rate of DDR4 1866 MHz. **** Refer to www.asus.com for the Memory QVL (Qualified Vendors List).
Expansion Slots	1 x PCI Express 3.0/2.0 x16 slot (at x16 mode) 2 x PCI Express 2.0 x16 slot (at x1 mode) 1 x PCI slots
VGA	Integrated Graphics Processor - Intel® HD Graphics support Multi-VGA output support: DisplayPort/HDMI/DVI-D/D-Sub ports - Supports DisplayPort with max. resolution of 4096x2160@60Hz - Supports HDMI with max. resolution of 4096x2160@24Hz/ 2560x1600@60Hz - Supports DVI-D with max. resolution of 1920x1200@60Hz - Support D-sub port with max. resolution of 1920x1200@60Hz Support up to two displays simultaneously Supports Intel® InTru™ 3D/Quick Sync Video/Clear Video HD Technology/Insider™ Maximum shared memory of 1024 MB
Storage	Intel® H310 Chipset - M.2 2280, 2260, 2242 (both SATA & x2 PCIe mode)† - 4 x Serial ATA 6.0 Gb/s connectors (gray) *When the M.2 is operating in SATA mode, SATA ? will be disabled.
LAN	Realtek® 8111H Gigabit LAN
Audio	Realtek ALC887, 8-channel High Definition Audio CODEC * Use a chassis with HD audio module in the front panel to support an 8-channel audio output.
USB	4 x USB 3.1 Gen1 ports (2 ports at mid-board, 2 ports at rear panel (1A1C)) 8 x USB 2.0 ports (6 ports at mid-board, 2 ports at rear panel)
ASUS Special Features	ASUS SX PROTECTION III - ASUS SafeSlot Core: Fortified PCIe Slot prevents damage - ASUS LANGuard: Protects against LAN surges, lightning strikes and static-electricity discharges - ASUS Overvoltage Protection: World-class circuit-protecting power design - ASUS Stainless-Steel Back I/O: 3X corrosion-resistance for greater durability - ASUS DIGI+ VRM - 4 Phase digital power design Superb Performance ASUS OptiMem - Improved DDR4 stability ASUS EPU - EPU UEFI BIOS - Most advanced options with fast response time ASUS Exclusive Features - ASUS AI Charger - ASUS AI Suite 3 - ASUS file transfer - ASUS PC Cleaner EZ DIY UEFI BIOS EZ Mode - featuring friendly graphics user interface - ASUS CrashFree BIOS 3 - ASUS EZ Flash 3 ASUS Q-Design - ASUS Q-DIMM - ASUS Q-Slot
ASUS Quiet Thermal Solution	Quiet Thermal Design: - Stylish Fanless Design: PCH heatsink solution - ASUS Fan Xpert
Back Panel I/O Ports	1 x PS/2 keyboard/mouse combo port 1 x DisplayPort 1 x HDMI port 1 x DVI-D port 1 x D-Sub Port 1 x LAN (RJ-45) port 2 x USB 3.1 Gen1 ports (1A1C) 2 x USB 2.0 ports 1 x COM port 3 Audio jacks support 8 channel audio port*
Internal I/O Connectors	1 x USB 3.1 Gen1 connector, supports additional 2 USB 3.1 Gen1 ports 3 x USB 2.0 connectors, support additional 6 USB 2.0 ports 4 x SATA 6Gb/s connectors 1 x CPU fan connector 1 x Chassis fan connector 1 x System panel connector 1 x Front panel audio connector (AAFP) 1 x LPT connector 1 x 24-pin ATX Power connector 1 x 8-pin ATX 12V Power connector 1 x COM connector 1 x S/PDIF out connector 1 x speaker connector 1 x Clear CMOS connector 1 x Chassis intrusion header TPM 2.0 IC on board
BIOS	128 Mb Flash ROM, UEFI AMI BIOS, PnP, SM BIOS 3.1, ACPI 6.1, Multi-language BIOS, ASUS EZ Flash 3, CrashFree BIOS 3, F6 Qfan Control, F3 My Favorites, Last Modified log, F12 PrintScreen, and ASUS DRAM SPD (Serial Presence Detect) memory information
Manageability	WOL by PME, PXE
Accessories	2 x Serial SATA 6.0Gb/s cables 1 x I/O shield 1 x Support DVD 1 x User's manual
Support DVD	Drivers ASUS Utilities EZ Update Anti-virus software (OEM version)
Operating System	Windows® 10 (64-bit)
Form Factor	µATX Form Factor, 9.6" x 8.9" (24.4 cm x 22.6 cm)