

PRIME H310M-K R2.0	
Note: The specifications are subject to change without notice.	
CPU	LGA1151 socket for 8th Generation Intel® Core™ i7 / i5 / i3 / Pentium® and 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	2 x DIMMs, maximum 32 GB, 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
***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 x1 slot
VGA	Integrated Graphics Processor- Intel® HD Graphics support
	Multi-VGA output support: DVI-D / D-sub port
	- Supports DVI-D with max. resolution of 1920 x 1200 @60Hz
	- Supports D-sub with max. resolution 1920 x 1200@60Hz
	Supports Intel® InTru™ 3D/Quick Sync Video/Clear Video HD Technology/Insider™
Maximum shared memory of 1024MB	
Storage	Intel® H310 Chipset
- 4 x SATA 6.0 Gb/s ports (gray)	
LAN	Realtek® 8111H Gigabit LAN controller supports LANGuard
Audio	Realtek® ALC887 8-channel high definition audio CODEC*
	- Audio Shielding: Ensures precision analog/digital separation and greatly reduces multi-lateral interference
	- Dedicated audio PCB layers: Separate layers for left and right channels to guard the quality of the sensitive audio signals
	- Premium Japanese audio capacitors: Provide warm, natural and immersive sound with exceptional clarity and fidelity
	- Supports jack-detection and front panel jack-retasking
	* Choose the chassis with HD audio module in front panel to support 8-channel audio output.
USB	Intel® H310 Chipset
	- 4 x USB 3.1 Gen 1 (up to 5Gbps) ports (2 ports @mid-board; 2 ports @back panel, blue, Type A)
	- 6 x USB 2.0/1.1 ports (4 ports @ mid-board, 2 ports @ back panel)
ASUS Special Features	ASUS 5X 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
	UEFI BIOS
	- Most advanced options with fast response time
	ASUS OptiMem
	- Improved DDR4 stability
	Gaming Scenario
	Audio Features
	- Audio that roars on the battlefield
	ASUS EPU
	- EPU
	Easy PC DIY
	Safe motherboard mounting
	- Component-free areas to minimize damage risk
	ASUS Exclusive Features
	- ASUS AI Charger

	- ASUS AI Suite 3
	- ASUS PC Cleaner
	UEFI BIOS EZ Mode
	- featuring a friendly graphics user interface
	- ASUS CrashFree BIOS 3
	- ASUS EZ Flash 3
	Q-Design
	- ASUS Q-DIMM
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
	1 x PS/2 mouse port
	2 x USB 3.1 Gen 1 ports (up to 5Gbps) Type A (blue)
	2 x USB 2.0/1.1 ports
	1 x DVI-D port
	1 x D-Sub port
	1 x LAN (RJ-45) port
	3 x Audio jacks support 8-channel audio output

Internal I/O Connectors	1 x USB 3.1 Gen 1 (up to 5Gbps) connectors support additional 2 USB ports (19-pin)
	2 x USB 2.0/1.1 connectors support additional 4 USB ports
	4 x SATA 6.0Gb/s connectors
	1 x 4-pin CPU Fan connector for 4-pin PWM mode
	1 x 4-pin Chassis Fan connector for 3-pin (DC mode) and 4-pin (PWM mode) coolers control
	1 x Front panel audio connector
	1 x COM header
	1 x S/PDIF Out header
	1 x 24-pin EATX Power connector
	1 x 4-pin EATX 12V Power connector
	1 x Speaker connector
	1 x Clear CMOS jumper(2-pin)
	1 x System Panel connector
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 MyFavorites, Last Modified log, F12 PrintScreen, and ASUS DRAM SPD (Serial Presence Detect) memory information
Manageability	WOL by PME, PXE
Accessories	2 x Serial ATA 6.0Gb/s cables
	1 x I/O Shield
	1 x Support DVD
	1 x User's manual
Support DVD	Drivers
	ASUS Utilities
	ASUS EZ Update
	Anti-virus software (OEM version)
Operating System Support	Windows® 10 (64-bit)
Form Factor	µATX Form Factor, 8.9*7.3 inch (22.6 cm x 18.5cm)