

## ASUS PRIME H310M-R R2.0 Intel® H310 LGA 1151 (Socket H4) micro ATX

**Brand :** ASUS

**Product code:** 90MB0YL0-M0ECY0

**Product name :** PRIME H310M-R R2.0

- ASUS OptiMem: Careful routing of traces and vias to preserve signal integrity for improved memory stability  
 - Fan Xpert: Flexible controls for ultimate cooling and quietness, plus GPU-temperature sensing for cooler gaming  
 - 5X Protection III: Multiple hardware safeguards for all-round protection  
 LGA 1151, 2 x PS/2, DVI, HDMI, VGA, 2 x USB 2.0, 2 x USB 3.1 Gen.1 type-A, mATX  
 ASUS PRIME H310M-R R2.0. Processor manufacturer: Intel, Processor socket: LGA 1151 (Socket H4), Compatible processor series: Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel Pentium G. Supported memory types: DDR4-SDRAM, Maximum internal memory: 32 GB, Memory slots type: DIMM. Supported storage drive interfaces: SATA III, Supported storage drive types: HDD & SSD. Graphics card family: Intel, Graphics card: HD Graphics, Maximum resolution: 4096 x 2160 pixels. USB connector type: USB Type-A



<b>Processor</b>		<b>Rear panel I/O ports</b>	
Processor manufacturer *	Intel	Microphone in	✓
Processor socket *	LGA 1151 (Socket H4)	USB connector type	USB Type-A
Compatible processor series *	Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel Pentium G	<b>Network</b>	
Intel Core i3/i5/i7/i9 series	i3-8xxx, i5-8xxx, i5-9xxx, i7-8xxx, i7-9xxx, i9-8xxx, i9-9xxx	Ethernet LAN	✓
<b>Memory</b>		Ethernet interface type	Gigabit Ethernet
Supported memory types *	DDR4-SDRAM	LAN controller	Realtek RTL8111H
Number of memory slots *	2	<b>Features</b>	
Memory slots type	DIMM	Motherboard chipset *	Intel® H310
Memory channels	Dual-channel	Audio chip	Realtek ALC887
ECC compatibility	Non-ECC	Audio output channels *	7.1 channels
Supported memory clock speeds	2133,2400,2666 MHz	PC health monitoring	CPU, Fan, Voltage
Maximum internal memory *	32 GB	Component for *	PC
Unbuffered memory	✓	Motherboard form factor *	micro ATX
<b>Storage controllers</b>		Motherboard chipset family *	Intel
Supported storage drive types	HDD & SSD	Power source type	ATX
Supported storage drive interfaces *	SATA III	Windows operating systems supported	Windows 10, Windows 10 Education x64, Windows 10 Enterprise x64, Windows 10 Home x64, Windows 10 Pro x64, Windows 10 x64
<b>Graphics</b>		<b>Expansion slots</b>	
On-board graphics card	✓	PCI Express x1 (Gen 2.x) slots	2
Graphics card family	Intel	PCI Express x16 (Gen 3.x) slots	1
Graphics card	HD Graphics	<b>BIOS</b>	
Maximum resolution	4096 x 2160 pixels	BIOS type *	UEFI AMI
<b>Internal I/O</b>		ACPI version	6.1
USB 2.0 connectors *	2		

Internal I/O		BIOS	
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	Clear CMOS jumper	✓
Number of SATA III connectors *	4	<b>Processor special features</b>	
S/PDIF out connector	✓	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Front panel audio connector	✓	Intel® Turbo Boost Technology	2.0
Front panel connector	✓	Intel Extreme Memory Profile (XMP)	✓
ATX Power connector (24-pin)	✓	Intel Unite Technology	✓
Power fan connector	✓	Intel® Insider™	✓
CPU fan connector	✓	Intel® InTru™ 3D Technology	✓
Number of COM connectors	1	<b>Logistics data</b>	
12V power connector	✓	Harmonized System (HS) code	84733020
<b>Rear panel I/O ports</b>		<b>Weight &amp; dimensions</b>	
USB 2.0 ports quantity *	2	Width	226 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Depth	185 mm
Ethernet LAN (RJ-45) ports *	1	<b>Packaging content</b>	
PS/2 ports quantity	2	Cables included	SATA
VGA (D-Sub) ports quantity *	1	Manual	✓
HDMI ports quantity *	1	Drivers included	✓
DVI-D ports quantity *	1	<b>Other features</b>	
Headphone outputs	1	Combo headphone/mic port	✓
		Audio channels	8
		Processor lithography	14 nm
		Utilities included	✓



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