

H310M-IM-A

Micro-ATX, LGA1151 socket for the 9th/8th Gen CPU, H310 chipset, 2*DIMM
1*PCIe x16, 1*DVI-D, 1*D-Sub, 1*M.2 slot, 4*SATA connectors

Features

- Two DIMM up to 32GB DDR4 2666/2400/2133 MHz SDRAM.
- Supports 2 displays configuration by multiple interface: 1 x DVI-D, 1x D-Sub
- 7-year longevity supply
- Wide temperature range endurance: 0~60°C



Specifications

PROCESSOR SYSTEM	CPU	LGA1151 socket for the 9 th /8 th Generation Intel® Core™ i7/ i5/ i3/ Pentium® / Celeron® processors supports 14nm CPU.
	MAX. SPEED	4.9GHz eight core
	L2 Cache	12MB
	CHIPSET	Integrated
MEMORY	Technology	DDR4 2666/2400/2133 MHz, non-ECC, un-buffered memory *DDR4 2666MHz and higher memory modules will run at max. 2666MHz on Intel® 8th Gen. 6-core or higher processors.
	Max.	32GB
	Socket	2 x U-DIMM
Display	Controller	Intel UHD Graphics 630/610
	DVI-D	1, Supports 1920 x 1200 @60 Hz
	D-sub	1, Supports 1920 x 1200 @60 Hz
	Multi Display	DVI-D+D-sub Multi-VGA output support :DVI-D/D-sub ports Supports up to 2 displays simultaneous under OS
EXPANSION SLOT	M.2	1 x M.2 socket 3 with M key, type 2260/2280 storage devices support both SATA* & PCIe x2 mode
ETHERNET	Speed	10/100/1000Mbps
	Controller	1 x Realtek RTL8111H Gb Lan
	Connector	1 x RJ-45
AUDIO	Codec	Realtek ALC887-VD2 High Definition Audio CODEC
	Connector	Line-out, Lin-in, Mic-in
STORAGE	SATA port	4x SATA Gen 3.0, up to 6Gb/s
Rear I/O	DVI-D	1
	D-sub	1
	USB3.2 Gen1 Type-A ports	2
	USB 2.0/1.1 Type-A ports	4
	Ethernet	1
	COM port	1 (RS-232 port)
	P/S2 keyboard	1
	P/S2 mouse port	1
Internal Connector	Serial Port	1 (RS-232 header)
	USB3.2 Gen1 Type A header	1, support additional 2 x USB3.2 Gen1 connectors
	USB2.0	1, support additional 2 x USB2.0 connectors
	Chassis fan header	1
	Chassis intrusion header	1
	Front panel audio header (AAFP)	1
	System panel header	1
	Clear CMOS header	1
	Speaker connector	1
	Parallel connector	1
	LPC Debug header	1
	LPC TPM header	1
	power connector	1 x 24-pin EATX Power connector 1 x 4-pin EATX 12V Power connector
WATCHDOG TIMER	SW	Yes

Specifications

Security	TPM	LPC TPM header
POWER	Power Type	ATX Power
Operating System	Microsoft Windows	Windows® 10 (64bit) / Win10 IoT Enterprise
	Linux	Ubuntu, RedHat Enterprise, Fedora Workstation
ENVIRONMENT	Operating Temperature	0~60° C
	Non-Operating Temperature	-40~85° C
DIMENSION	Form Factor	Micro-ATX", 244cm x 193mm
Certification	Safety	CE, FCC
	EMC	UL, CCC

Block Diagram

