

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

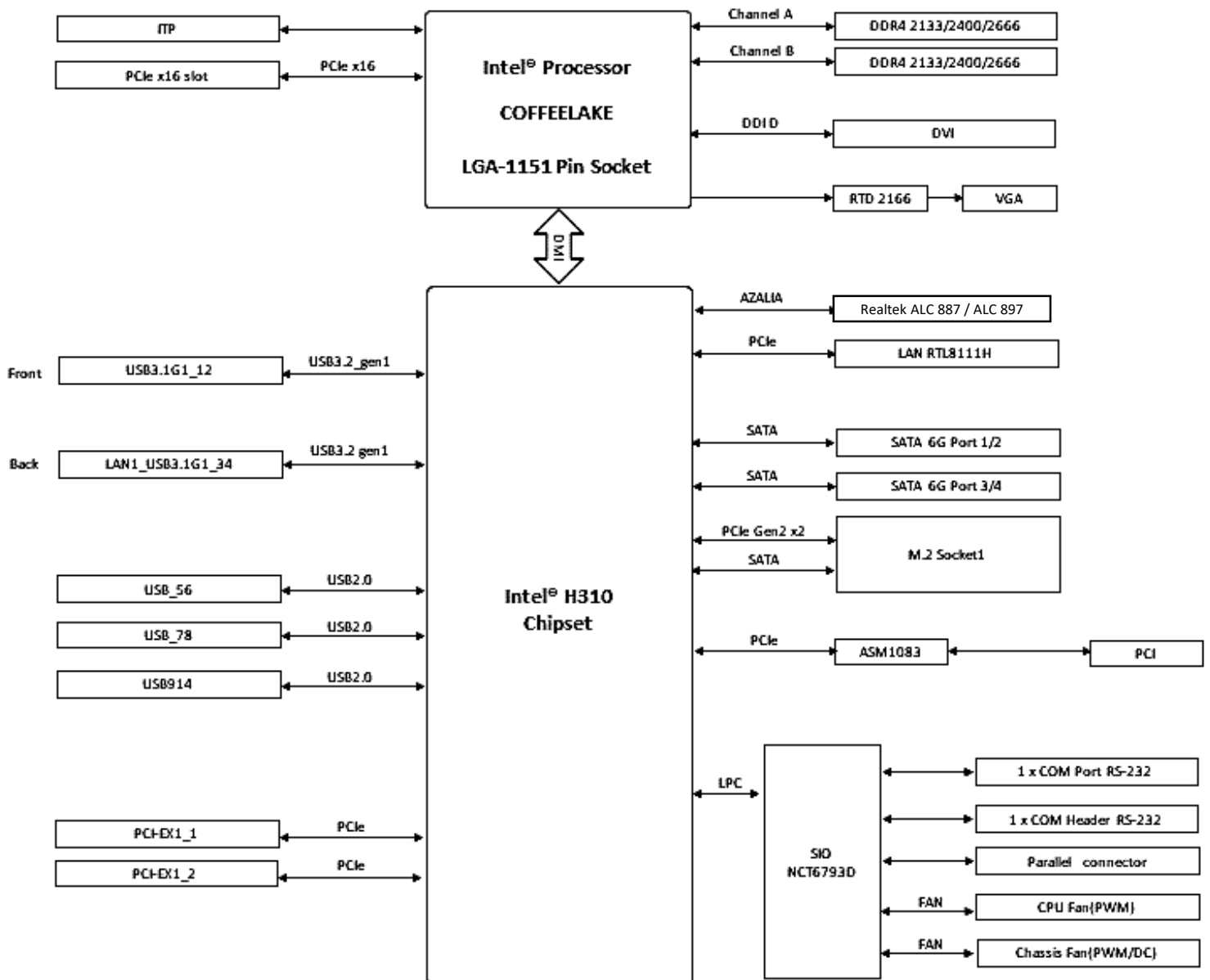
PROCESSOR SYSTEM	CPU	LGA1151 socket for the 9 th /8 th Generation Intel® Core™ i7/ i5/ i3/ Pentium® / Celeron® processors supports 14nm CPU.
	MAX. SPEED	4.9GHz eight core
	L2 Cache	12MB
	CHIPSET	Integrated
MEMORY	Technology	DDR4 2666/2400/2133 MHz, non-ECC, un-buffered memory *DDR4 2666MHz and higher 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	PCIE	1x PCIe x16 2x PCIe 2.0 x1 1x PCI
	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/ALC 897* -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
	USB	2x USB3.2 Gen1 Type-A ports, 4xUSB 2.0 Type-A ports
	Ethernet	1
	COM port	1 (RS-232 port)
	P/S2	1 x keyboard port, 1 x mouse port
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 header	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, 1x 4-pin EATX 12V Power connector	

*The audio codec may vary between models, please consult your sales window for the device's exact codec type.

Specifications

WATCHDOG TIMER	SW	Yes
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	EMI & Safety	CE, FCC

Block Diagram



Order Information

Model name	Part number	Description
H310M-IM-A	90ME01A0*	LGA1151,H310,DVI-D,COM,MB

* The part number might vary for different regulations and package. Please consult the TPM in your region for exact 90PN.

Packing List

Part number	Description	Quantity
13020*	IO shield	1
14013*	SATA 6G CABLE	1
13020*	M.2 screw pack	1

* The part number might vary due to part number revision.