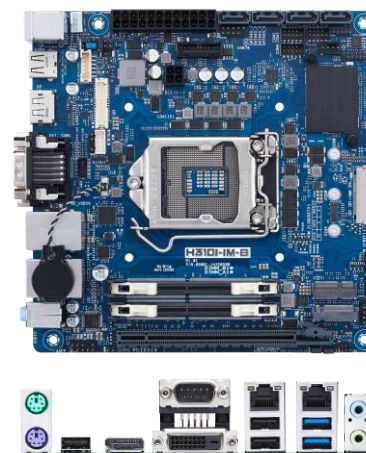


H310I-IM-B

Mini-ITX, LGA1151 socket for the 9th/8th Gen CPU, H310 chipset, 2*SO-DIMM.
1*PCIe x16, DP, DVI-D, LVDS, 2*M.2 slot

Features

- Two 260-pin SO-DIMM up to 64GB DDR4 2666/2400/2133 MHz SDRAM.
- Supports Dual displays configuration by multiple interface: DP/ DVI-D /LVDS or eDP
- 7-year longevity supply
- Wide Temperature Range: 0~60°C



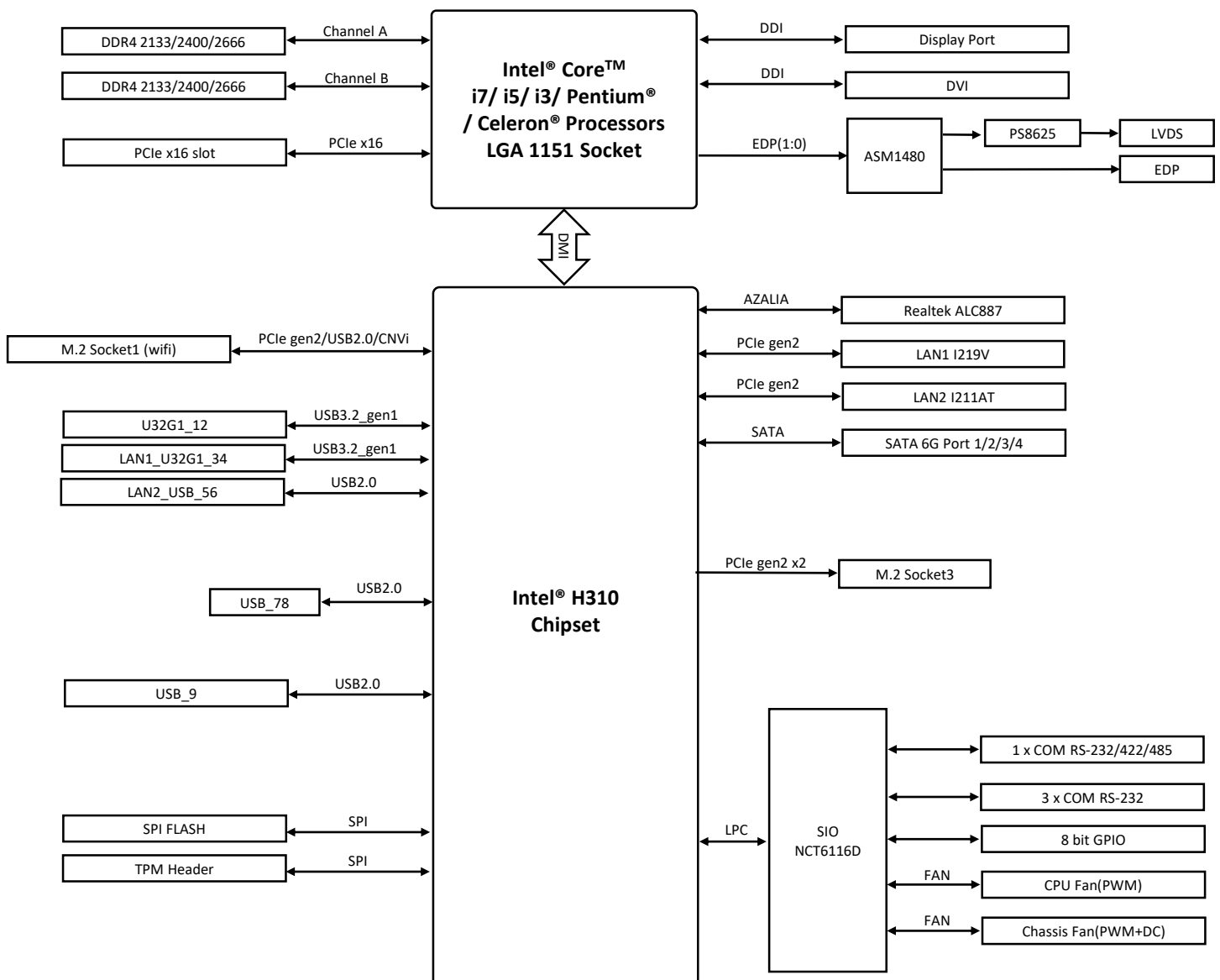
Specifications

Processor System	CPU	LGA1151 socket for the 9th/8th Generation Intel® Core™ i7/ i5/ i3/ Pentium® / Celeron® processors supports 14nm CPU, Max. 65W 6 core TDP
	CHIPSET	Intel® H310 chipset
Memory	Technology	DDR4 2666/2400/2133 MHz
	Max.	64GB
	Socket	2 x SO-DIMM
Display	DVI-D	1, Supports up to 1920 X 1200 @ 60 Hz
	Display Port	1, Supports DP 1.2a up to 4096 x 2160 @ 60 Hz
	LVDS	1, Supports up to 1920 x1200 @ 60Hz
	Embedded Display Port	1, 2 lanes supported (co-lay with LVDS), Supports up to 1920 x1200 @ 60Hz
	Dual Display	DVI-D+DP, DVI-D+LVDS, DVI-D+eDP, DP+LVDS, DP+eDP
Expansion Slot	PCIe	1 x PCIe 3.0/2.0 x16 slot
	M.2	1 x M.2 Socket 1 with E key, type 2230 for WIFI/BT device (support Intel® CNVi,PCIe) 1 x M.2 Socket 3 with M key, type 2242/2260/2280(PCIe mode)
Ethernet	Speed	10/100/1000Mbps
	Controller	1 x Intel® i219V, supports WOL/PXE 1 x Intel® i211AT, supports WOL/PXE
	Connector	2 x RJ-45
Audio	Codec	Realtek ALC887-VD2 High Definition Audio
	Connector	Line-Out, Line-In
Storage	SATA port	4 x SATA Gen 3.0, up to 6Gb/s
Rear I/O	DVI-D	1
	Display Port	1
	USB3.2 Gen1	2
	USB 2.0	3
	Ethernet	2
	Serial Port	1(RS232/422/485)
	Audio jack	2
	PS/2	1 x Keyboard Port, 1 x Mouse Port
Internal Connector	Serial Port	3 (RS232)
	USB3.2 Gen1	1 X Header Support Additional 2 X USB3.2 Gen1 Connectors
	USB2.0	1 X Header Support Additional 2 X USB2.0 Connectors
	CPU Fan Connector	1 (PWM Mode)
	Chassis Fan Header	1 (PWM+DC Mode)
	Chassis Intrusion Header	1
	Front Panel Audio Header (AAFP)	1
	System Panel Header	1(10-1 Pin)
	Clear CMOS Jumper	1
	Speaker Connector	1(4-pin)
	LPC Debug Header	1
	S/PDIF Header	1
	I ² C Header	1
	GPIO Header	1 (8 Bit)
	AT/ATX Select Header	1
Power Connector	1 X 4-pin ATX Power Connector, 1 X 24-pin ATX Power Connector	

Specifications

Watchdog Timer	H/W	YES
Security	TPM	1 x SPI TPM header
Power	Power Type	ATX DC-IN* *Support by power transfer card "EMA-DCB-A". Please contact your sales window for order information.
	Voltage	DC in 12V
Operating System	Microsoft Windows	Windows® 10 (64bit) / Win10 IoT Enterprise
	Linux	Ubuntu, RedHat Enterprise, Fedora Workstation, OpenSUSE
Environment	Operating Temperature	0~60° C
	Non-Operating Temperature	-40~85° C
	Relative Humidity	0%~85%
Dimension	Form Factor	Mini-ITX, 170 x 170 mm
Certification	Safety	CE, FCC

Block Diagram



Order Information

Model name	Part number	Description
H310I-IM-B	90ME01I0*	LGA1151,H310,DVI-D,DP,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
13ME0*	M.2 screw pack	2

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