

H310I-IM-A R2.0

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

Features

- Two 260-pin SO-DIMM up to 32GB DDR4 2666/2400/2133 MHz SDRAM.
- Supports 3 displays configuration by multiple interface: 2*DP/ HDMI/ LVDS
- 7-year longevity supply
- Wide temperature Range: 0~60°C



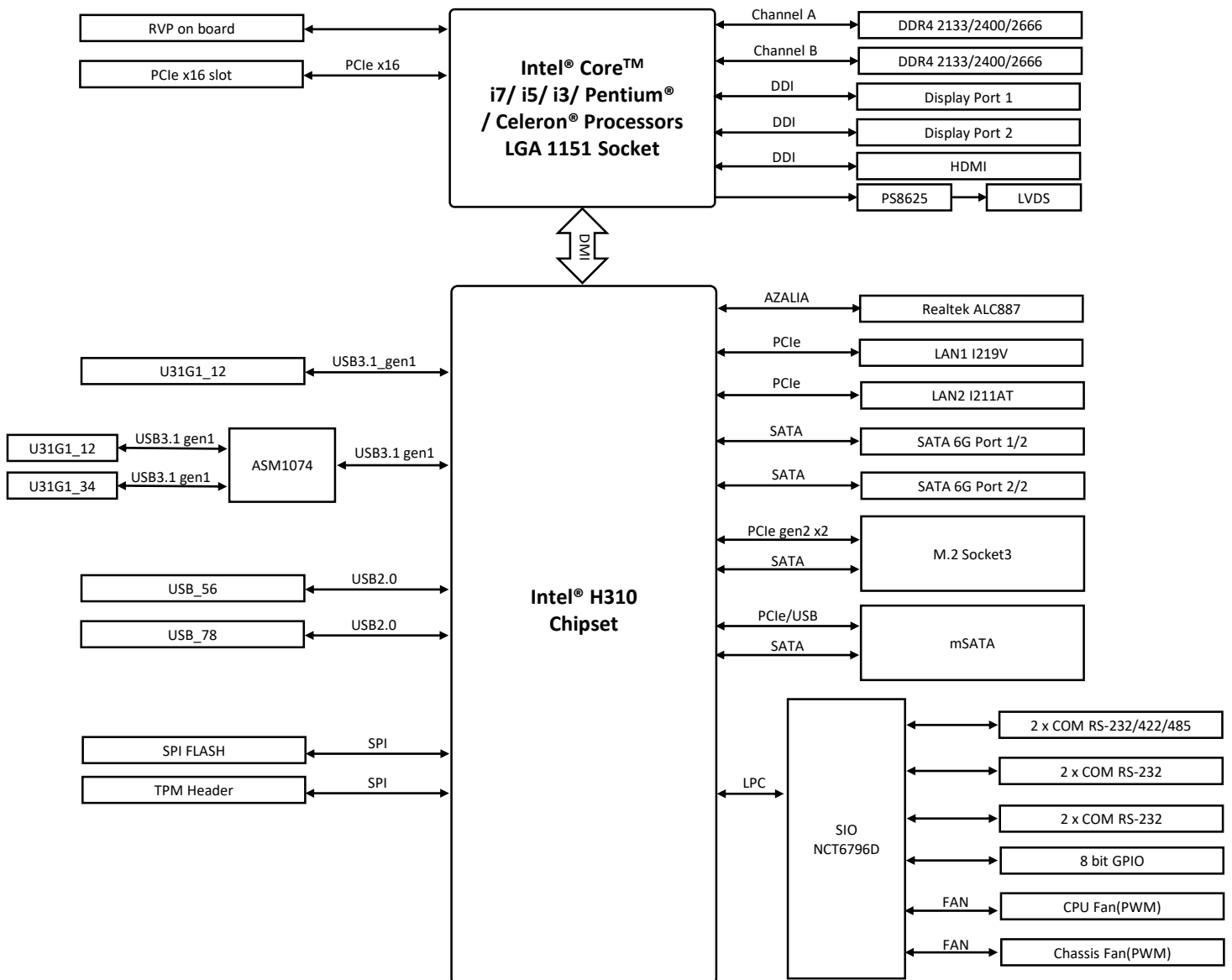
Specifications

Processor System	CPU	LGA1151 socket for the 9th/8th Generation Intel® Core™ i7/ i5/ i3/ Pentium® / Celeron® processors supports 14nm CPU, Max. 65W TDP
	CHIPSET	Intel® H310 chipset
Memory	Technology	DDR4 2666/2400/2133 MHz
	Max.	32GB
	Socket	2 x SO-DIMM
Display	HDMI	1, Supports HDMI 1.4b up to 4096 X 2160 @ 24 Hz
	Display Port	2, Supports DP 1.2a up to 4096 x 2160 @ 60 Hz
	LVDS	1, Supports 48 bits up to 1.4b 1920 x1200 @ 60Hz
Expansion Slot	PCIe	1 x PCIe 3.0/2.0 x16 slot
	Mini PCIe	1 x full/half mini-PCIe with SATA
	M.2	1 x M.2 Socket 1 with E key, type 2230 for WIFI/BT device 1 x M.2 Socket 3 with M key, type 2242/2260/2280(PCIe & SATA mode)
Ethernet	Speed	10/100/1000Mbps
	Controller	1 x Intel® I219V, Support WOL/PXE 1 x Intel® I211AT, Support 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
	M.2	1 x M.2 Socket 3 with M key, type 2242/2260/2280(PCIe & SATA mode)
	mSATA	1 x full/half mini-PCIe with SATA
Rear I/O	HDMI	1
	Display Port	2
	USB3.2 Gen1	4
	Ethernet	2
	Serial Port	2(RS232/422/485)
	Audio jack	2
Internal Connector	Serial Port	4 (RS232)
	USB3.2 Gen1	1 x Header Support Additional 2 x USB3.2 Gen1 Connectors
	USB2.0	2 x Header Support Additional 4 x USB2.0 Connectors
	CPU Fan Connector	1 (PWM Mode)
	Chassis Fan Header	1 (PWM+DC Mode)
	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
	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	both ATX/AT mode
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-A R2.0	90ME10V0*	LGA1151,H310,HDMI,2*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
13020*	Screw pack	2

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