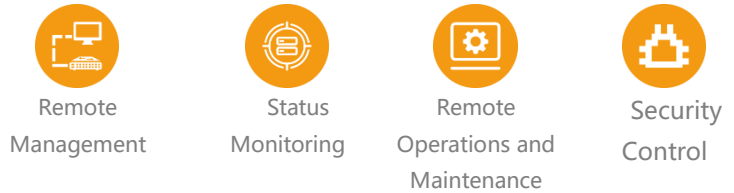


## MIT-H31C

### Features:



- Supports Intel® 6th to 9th Gen Core / Pentium / Celeron processors, TDP=65W
- Equipped with the Intel® H310C chipset
- 2 (Non-ECC) DDR4-2666MHz memory slots, supporting up to 64GB
- Onboard 5 Intel Gigabit network cards, with an option to support 4 PoE (IEEE 802.3AT)
- Default 2 RS232/422/485 and 4 RS232 serial ports
- Onboard 4 USB3.2 and 4 USB2.0 ports
- HDMI, DP, and eDP display interfaces, supporting up to 4K@60Hz resolution
- 1 PCIe x16 slot

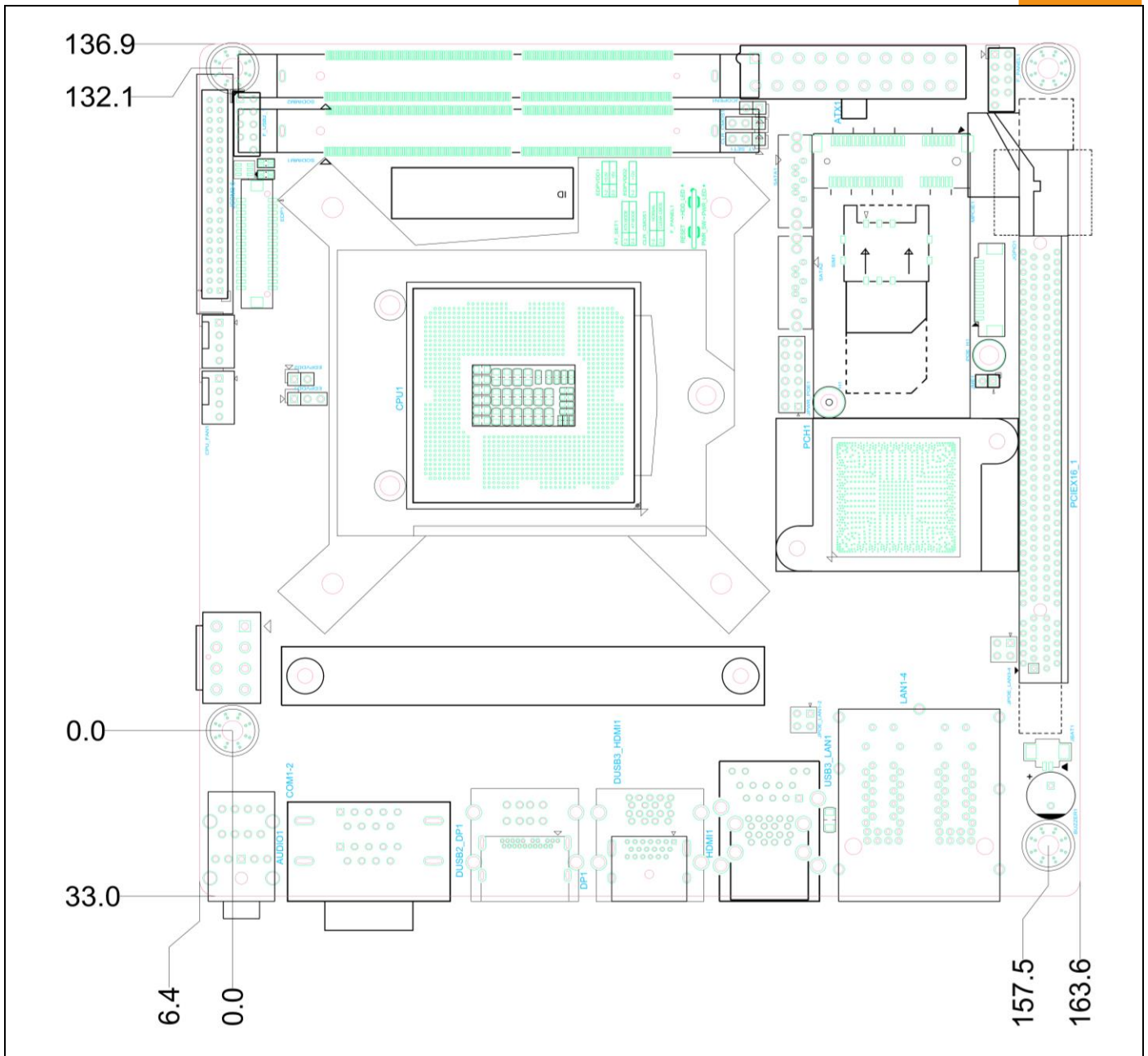


### Product Specifications

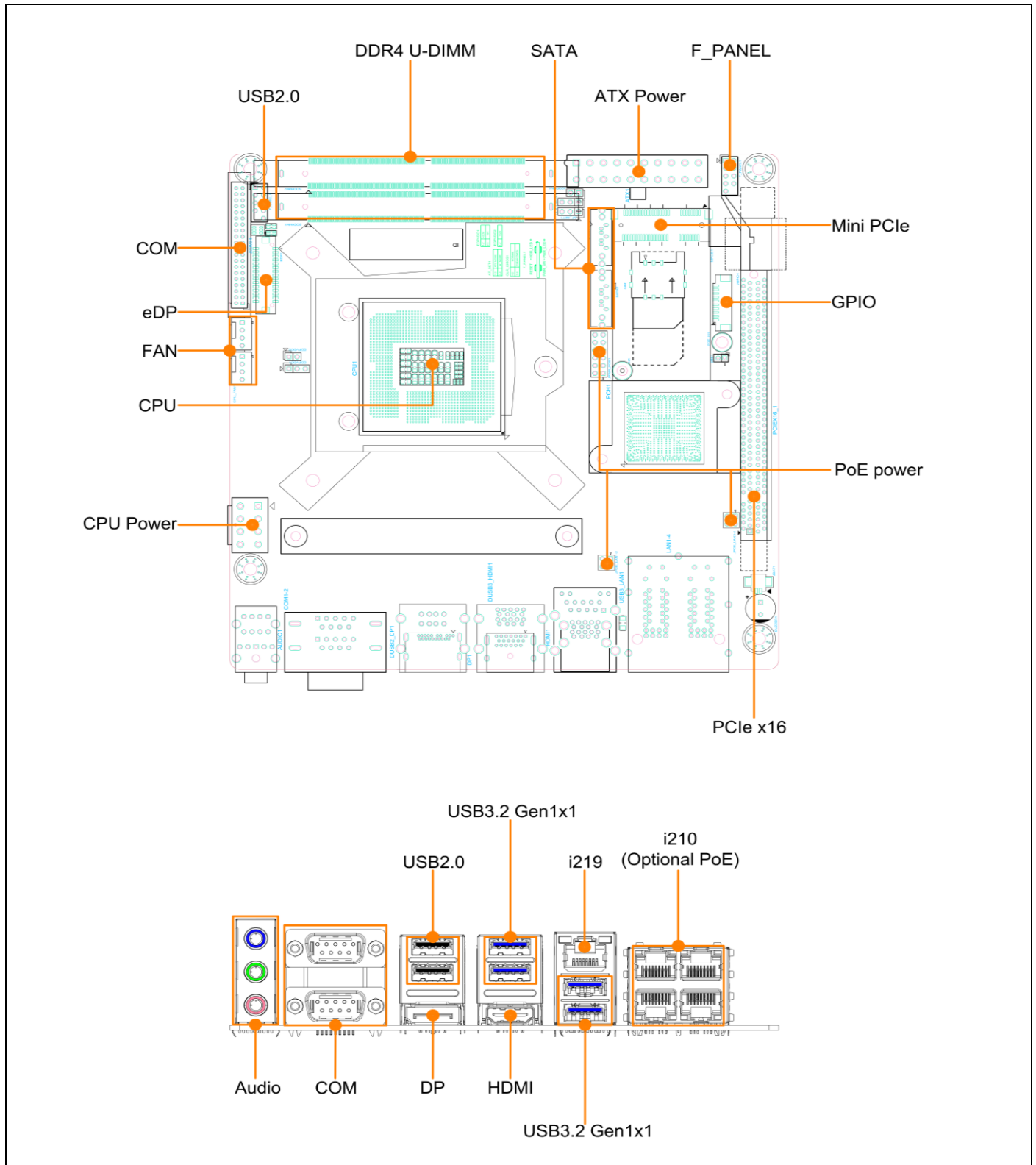
Model	MIT-H31C	
Processor System	CPU	Support Intel® 6/7/8/9th Generation Core / Pentium/ Celeron Desktop CPU
	TDP	65W
	Socket	LGA1151
	Chipset	H310C
	BIOS	AMI 256 Mbit SPI
Memory	Socket	2 * Non-ECC SO-DIMM Slot, Dual Channel DDR4 up to 2666MHz
	Capacity	64GB, Single Max. 32GB
Graphics	Controller	Intel® HD Graphics
Ethernet	Controller	4 * Intel i210-AT GbE LAN Chip (10/100/1000 Mbps, with PoE Power socket) 1 * Intel i219-LM/V GbE LAN Chip (10/100/1000 Mbps)
Storage	SATA	2 * SATA3.0 7P Connector, up to 600MB/s
	mSATA	1 * mSATA (SATA3.0, Share slot with Mini PCIe, default)
Expansion Slots	PCIe slot	1 * PCIe x16 slot (Gen 3, x16 signal)
	Mini PCIe	1 * Mini PCIe (PCIe x1 Gen 2 + USB2.0, with 1 * SIM Card, Share slot with Msat, Opt.)
Rear I/O	Ethernet	5 * RJ45
	USB	4 * USB3.2 Gen 1x1 (Type-A, 5Gbps, Each group of two ports Max. 3A, one port Max. 2.5A) 2 * USB2.0 (Type-A, Each group of two ports Max. 3A, one port Max. 2.5A)
	Display	1 * DP: max resolution up to 3840*2160 @ 60Hz 1 * HDMI1.4: max resolution up to 2560*1440 @ 60Hz
	Audio	3 * 3.5mm Jack (Line-out + Line-in + MIC)
	Serial	2 * RS232/422/485 (COM1/2, DB9/M, Full Lanes, BIOS Switch)
Internal I/O	USB	2 * USB2.0 (Header)
	Display	1 * eDP: max resolution up to 1920*1200 @ 60Hz (Header)
	Serial	4 * RS232 (COM3/4/5/6, Header)
	GPIO	1 * 8 bits DIO (4xDI and 4xDO, wafer)

	SATA	2 * SATA3.0 7P Connector
	FAN	1 * CPU FAN (Header) 1 * SYS FAN (Header)
	Front Panel	1 * Front Panel (Header)
<b>Power Supply</b>	Type	ATX
	Connector	1 * 8P 12V Power (Header) 1 * 24P Power (Header)
<b>OS Support</b>	Windows	6/7th Core™: Windows 7/10/11 8/9th Core™: Windows 10/11
	Linux	Linux
<b>Watchdog</b>	Output	System Reset
	Interval	Programmable 1 ~ 255 sec
<b>Mechanical</b>	Dimensions	170 x 170 mm (6.7" x 6.7")
<b>Environment</b>	Operating Temperature	-20 ~ 60°C (Industrial SSD)
	Storage Temperature	-40 ~ 80°C (Industrial SSD)
	Relative Humidity	10 to 95% RH (non-condensing)

## Product Dimensions



# Product I/O



## Functional Block Diagram

