

Motherboard MIT-H81



Features:

- Supports Intel® 4th/5th Gen Core / Pentium / Celeron processors, TDP=95W
- Equipped with Intel® H81 chipset
- Two (Non-ECC) DDR3-1600MHz memory slots, supporting up to 16GB
- Onboard five Intel Gigabit network cards, with an option to support four PoE (IEEE 802.3AT)
- Default two RS232/422/485 and four RS232 serial ports
- Onboard two USB3.0 and six USB2.0 ports
- HDMI, DP, and eDP display interfaces, supporting up to 4K@24Hz resolution
- One PCIe x16 slot



Remote Management



Status Monitoring



Remote Operations and Maintenance



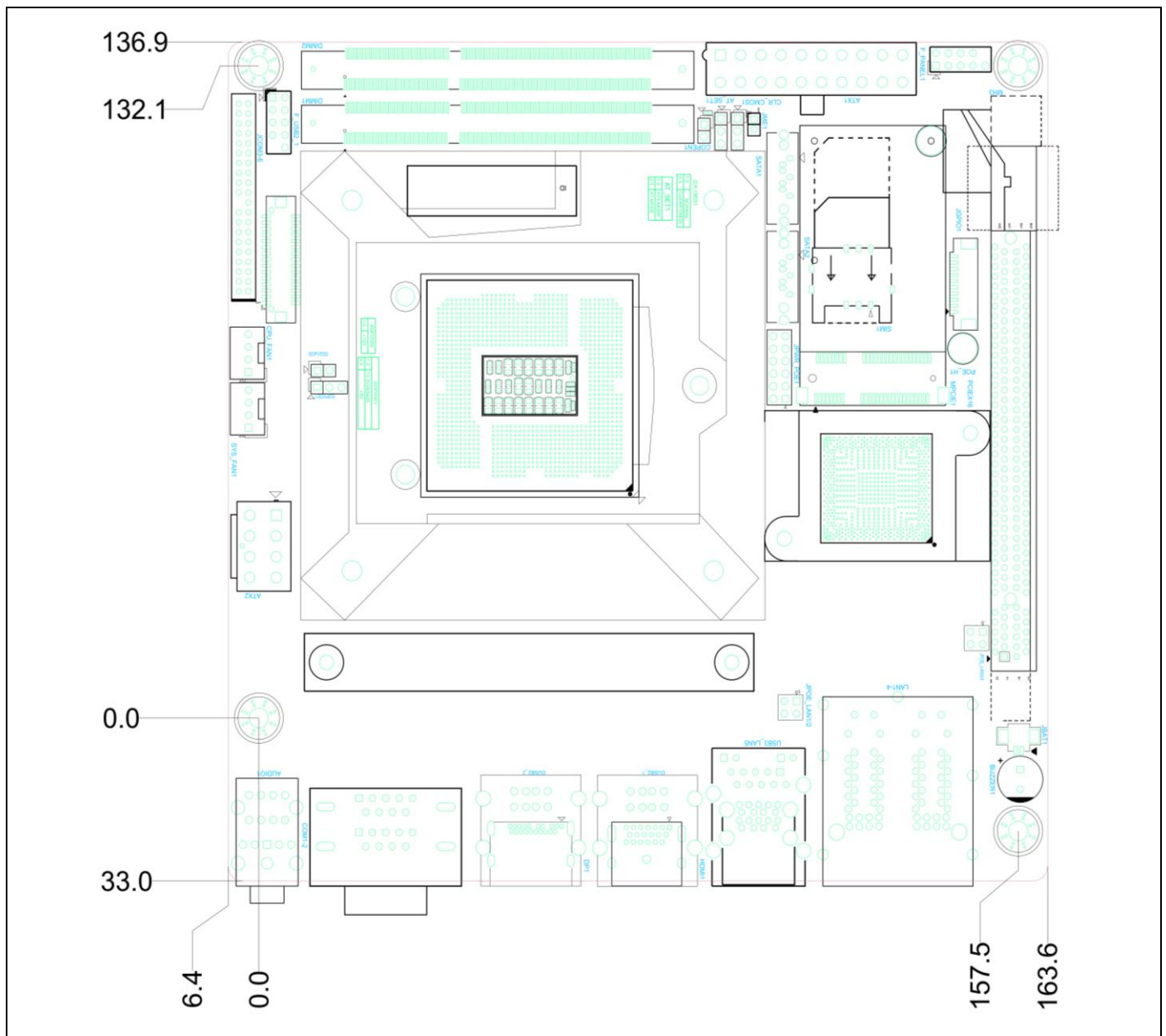
Security Control

Product Specifications

Model	MIT-H81	
Processor System	CPU	Support Intel® 4/5th Generation Core / Pentium/ Celeron Desktop CPU
	TDP	95W
	Socket	LGA1150
	Chipset	H81
	BIOS	AMI 256 Mbit SPI
Memory	Socket	2 * Non-ECC SO-DIMM Slot, Dual Channel DDR3 up to 1600MHz
	Capacity	16GB, Single Max. 8GB
Graphics	Controller	Intel® HD Graphics
Ethernet	Controller	4 * Intel i210-AT GbE LAN Chip (10/100/1000 Mbps, with PoE Power socket) 1 * Intel i218-LM/V GbE LAN Chip (10/100/1000 Mbps)
	SATA	1 * SATA3.0 7P Connector, up to 600MB/s 1 * SATA2.0 7P Connector, up to 300MB/s
Storage	mSATA	1 * mSATA (SATA3.0, Share slot with Mini PCIe, default)
	PCIe slot	1 * PCIe x16 slot (Gen 2, x16 signal)
Expansion Slots	Mini PCIe	1 * Mini PCIe (PCIe x1 Gen 2 + USB2.0, with 1 * SIM Card, Share slot with mSATA, Opt.)
	Ethernet	5 * RJ45
Rear I/O	USB	2 * USB3.0 (Type-A, 5Gbps, Each group of two ports Max. 3A, one port Max. 2.5A) 4 * 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)
	USB	2 * USB2.0 (Header)
Internal I/O	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)

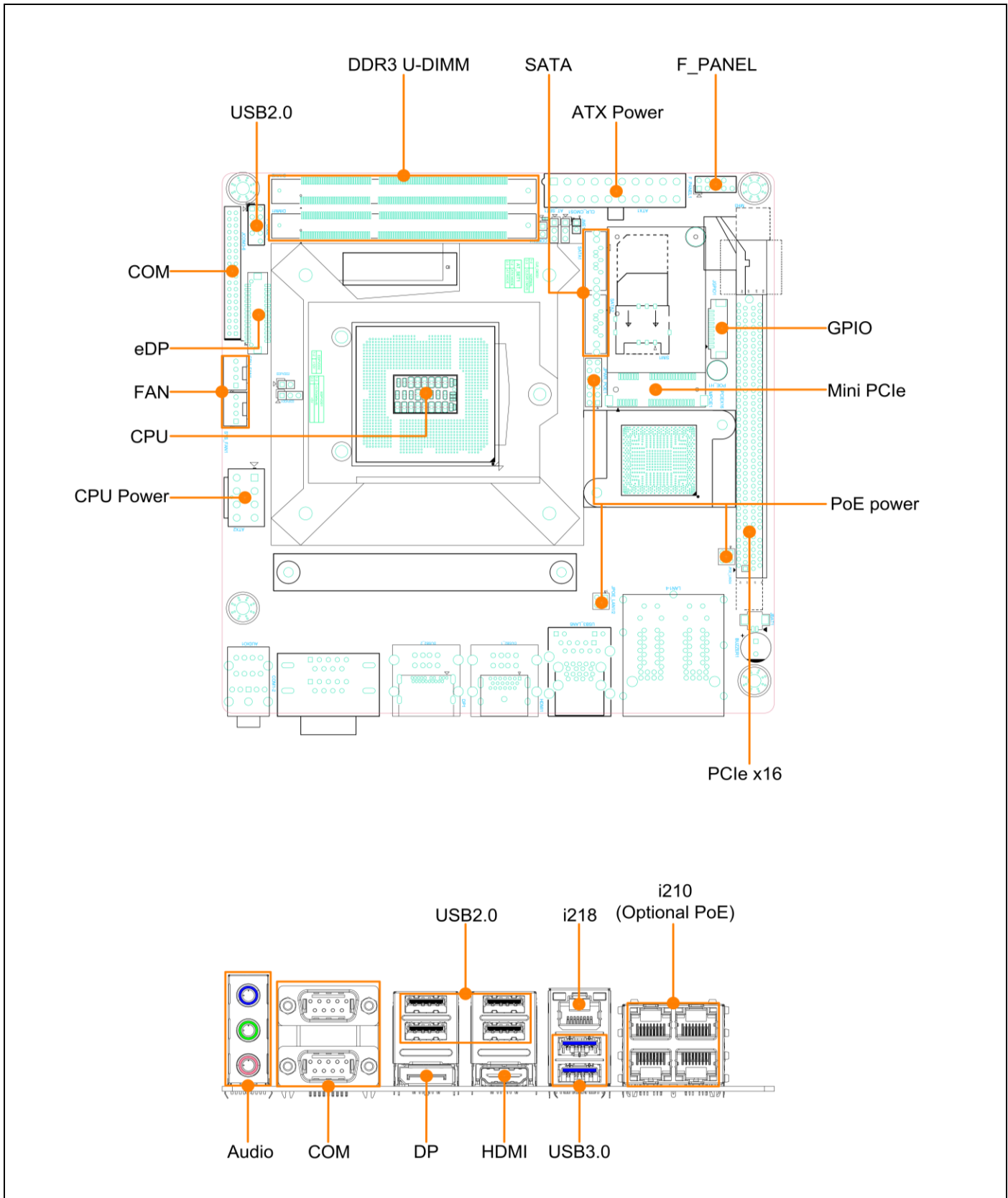
	SATA	1 * SATA3.0 7P Connector 1 * SATA2.0 7P Connector
	FAN	1 * CPU FAN (Header) 1 * SYS FAN (Header)
	Front Panel	1 * Front Panel (Header)
Power Supply	Type	ATX
	Connector	1 * 8P 12V Power (Header) 1 * 24P Power (Header)
OS Support	Windows	Windows 7/10/11
	Linux	Linux
Watchdog	Output	System Reset
	Interval	Programmable 1 ~ 255 sec
Mechanical	Dimensions	170 x 170 mm (6.7" x 6.7")
Environment	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

