



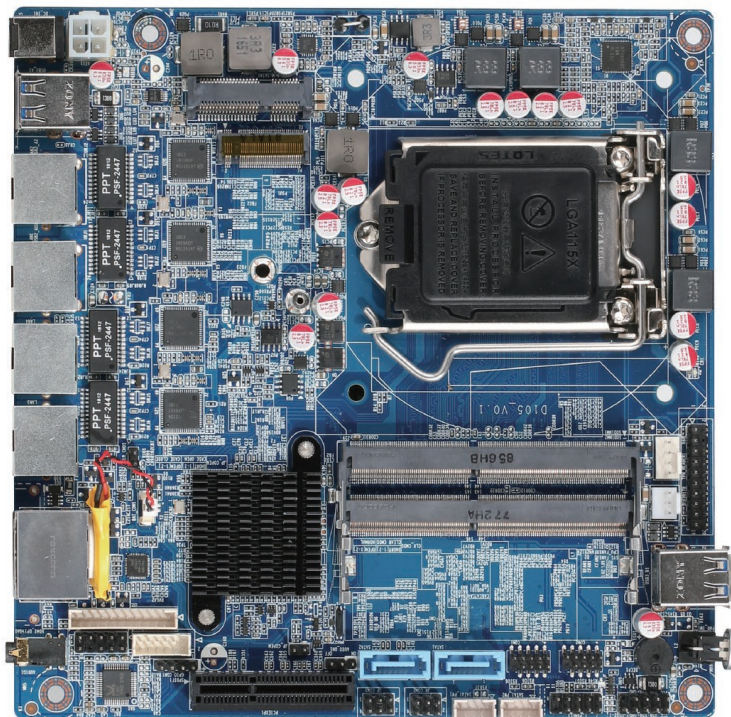
Mini ITX Embedded Motherboard Based on Intel H310 Chipset

Description:

EMB-IH310D-MI4 adopts Intel H310 chipset and supports 8th/9th Gen Intel Core processors. Designed with rear VGA or DP + HDMI display output and 2 x DDR4 SO-DIMM memory up to 32GB, It meets the needs of public information platforms to become more intelligent. It can be applied to fields such as industrial control, smart education, digital signage, commercial office and security monitoring, etc.

Main Features:

- Supports 8th/9th Gen Intel Core Processors
- 2 x DDR4 SO-DIMM up to 32GB
- Supports VGA or DP + HDMI Display
- 4 x Intel I211 1000Mbps Independent Network Card
- Supports Intel® Trusted Execution Technology (TXT)



Specification:

CPU	8th/9th Gen Intel Core Processors	
Chipset	Intel H310	
RAM	2 x DDR4 SO-DIMM up to 32GB	
Display	GPU	Integrated
Storage	Interface	2 x Standard SATA 3.0
Ethernet	Interface	4 x Gigabit LAN Controller
Rear I/O Interfaces	DC_IN	12~19V DC IN
	USB 3.0	2 x USB 3.0
	LAN	4 x 1000Mbps RJ45
	Display	VGA (DP + HDMI optional)
	Audio	1 (Line_Out&MIC Combo)
Front I/O Interfaces	USB 3.0	2 x USB 3.0
	Power Button	1 x Power Button with Power LED
Expansion Interfaces	Mini-PCle(Built-in)	1 x mSATA (same lay with S_SATA1, jumper selection)
	PCIe x 4	1 x Standard Vertical Jack
	SATA	2 x SATA 3.0
	USB	2 x USB 2.0 Standard Pin
	COM	2 x 2 x 5Pin (2.54mm), supports power supply and jumper selection
	M.2 2230	1(Supports M.2 2230 WIFI)
	VGA Pin	1 x 12 Pin
	GPIO	1 x 2 x 5 Pin (2.54mm)
Dimension	Form Factor	170 x 170mm
Environment	Temperature	0~60℃
	Humidity	95% @ 40℃(Non Condensed)
Software Development Kit	Operating System	Windows 8.1/Windows 10/Linux, 32/64 bit
	Auto Power On	Supports auto power on through hardware control
	System Restoration	Supports one-key system restoration

I/O Interfaces:



ABOUT POLYHEX

As a board level and system level designer and manufacturer, Polyhex, with 9 years' experience, always delivers best-in-class embedded computing solutions based on both ARM and X86 architecture, including hardware customization and software debugging etc. Partnered with silicon vendors like Intel, NXP, ST, Rockchip, Allwinners and so on, we have earned trust from clients worldwide in over 30 countries. Polyhex is also certified with ISO9001 and ISO13485 for the self-owned manufacture facility.

