



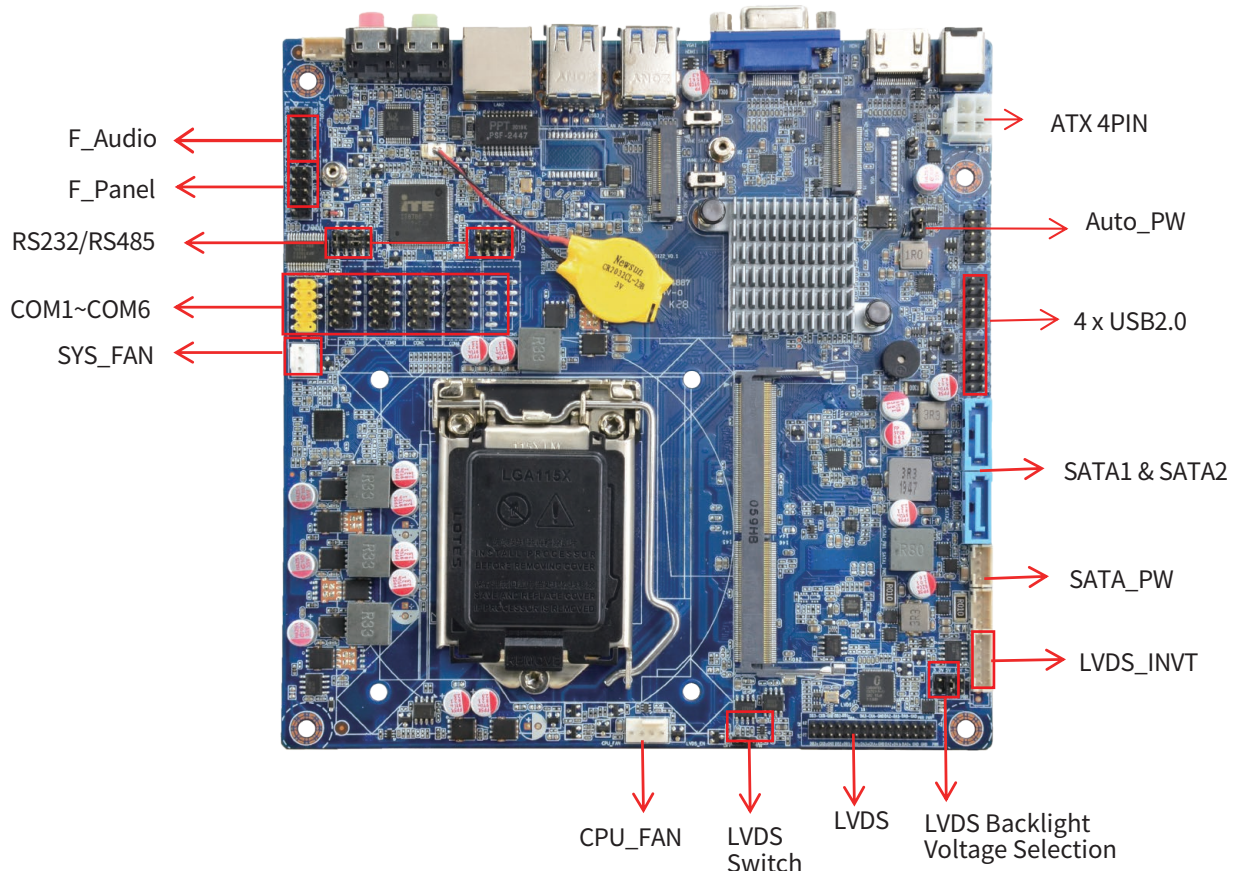
## Thin-ITX Motherboard based on Intel H310 Chipset Supporting Intel 6/7/8/9 Gen. LGA1151 Serial CPU

### Description:

EMB-IH310CDS-MI2 based on Intel H310 chipset supports Intel 6th Skylake, 7th Kabylake-S and 8th/9th Coffee lake-S Serial CPU. It comes with built-in LVDS display output and supports up to 6 RS232 COMs and 1 or 2 1000Mbps network controllers, and could be applied in intelligent education, smart retail, medical industry and other fields.

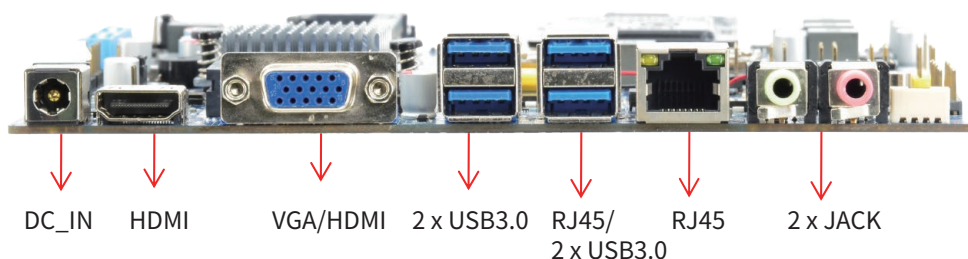
### Main Features:

- Supports Intel 6/7/8/9 Gen. LGA1151 Serial CPU
- Supports up to 6 x COMs and 1 or 2 x LANs
- DDR4 SO-DIMM RAM
- Thin-ITX form factor



Specification :

CPU	CPU	Support Intel Skylake-S, Kabylake-S and Coffee Lake-S LGA1151 serial CPU
	Chipset	Intel® H310 Chipset
RAM	Type	SO-DIMM DDR4
	Max. Capacity	16GB
Display	Core	CPU Integrated GPU
	Output	HDMI 1: HDMI1.4(Max: 3840 x 2160@30Hz) VGA(Max: 1920 x 1080) or HDMI 2: HDMI1.4(Max: 3840 x 2160@30Hz)
		LVDS(Max: 1920 x 1080@60Hz dual 8 24B)
Network	Controller	1 or 2 x RTL8111H 1000Mbps network, supports Wake on LAN and PXE Guidance
USB	I/O	4 x USB3.0(2 x USB3.0 when 2 x RJ45)
	Built-in Expansion	6 x USB2.0
Storage	M.2 2280	1 x M.2 2280, supports SATA or PCIe signal SSD (DIP switch selection)
	SATA	2 x SATA3.0 standard interface, supports 2 x SATA3.0 expansion
Audio	Controller	Realtek ALC662-VDO
	Output	1 x Audio_out + 1 x Mic_in Support 4Ω 3W power amplifier
Serial	COM	Up to 6 x COM-RS232 Protocol(COM5 and COM6 supports RS232 or RS485 signal through wire jumper)
Expansion	M.2 2230	1 x M.2 2230 slot, support WIFI
Software	Wake on LAN	Support
	OS	Windows 8.1/10; Linux
Power Supply	Types	DC_IN 12/19V Adapter(24V DC-IN optional)
		ATX 4Pin socket
Environment	Operating Temp.	0~60°C
	Storage Temp.	-20~80°C
Size		170 x 170mm
Cooling		Standard cooling



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.

