



Embedded Motherboard Based on Intel H410 Chipset, Supporting 10th/11st Gen. LGA1200 Series CPU

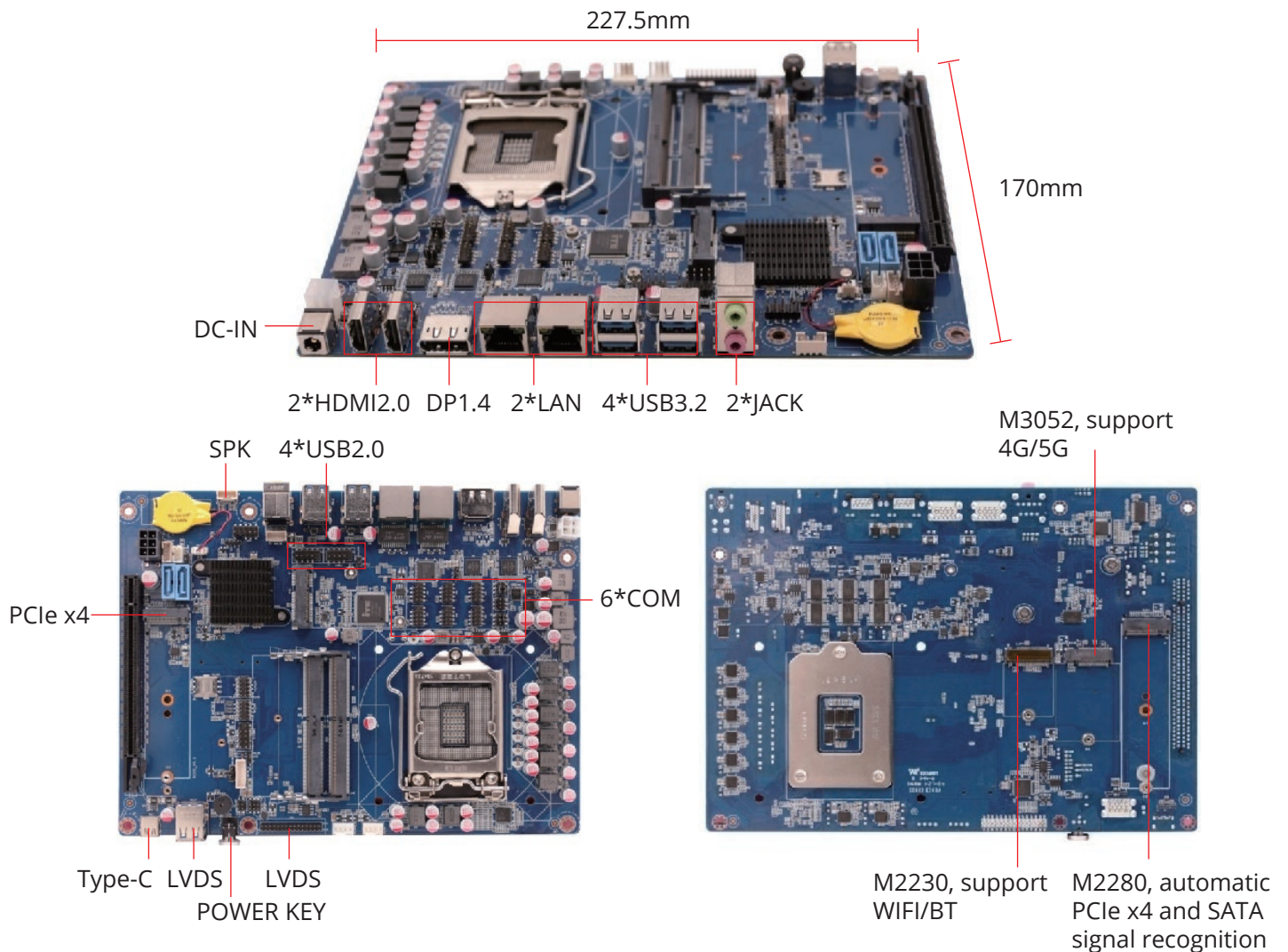
Main Features:

- Support Intel 10th/11st Gen. LGA1200 series processors
- Intel H410 chipset
- DP1.2 + 2 x HDMI2.0 + LVDS/eDP display output
- 2 x Intel LAN, 6 x COM, PCIe 16X
- 2 x SO-DIMM DDR4
- 12/19V DC-IN power supply



Description:

Based on Intel H410 chipset, it supports Intel 10th/11st Gen. LGA1200 series CPU and comes with multiple display output and expansion interfaces. It can be applied to industrial control, video surveillance, face recognition and behavior analysis fields.



Specification:

System	
CPU	Support Intel Comet Lake-S/Rocket-S LGA1200 series CPU
Chipset	Intel H410 Chipset
Memory	2 x SO-DIMM DDR4 2933/2666/2400MHz up to 64GB
Storage	M.2: 1 x M.2 2280, support M.2 SSD, PCIe 4X and SATA signal automatic recognition SATA: 2 x SATA3
Operating System	Windows 10, Linux
Video & Audio	
GPU	CPU integrated GPU
Video Output	1 x LVDS (Max: 1920 x 1080@60Hz dual8 24bit) 1 x eDP (Max: 4096 x 2160@60Hz, eDP and LVDS can only choose one) 1 x DP1.2 (Max: 4096 x 2160@60Hz) 2 x HDMI2.0 (Max: 4096 x 2160@60Hz)
Audio Controller	Realtek ALC662-VDO
Audio Output	1 x Audio Out + 1 x Mic In + SPDIF (pin headers) Built-in speaker, support 8Ω 3W speaker Built-in 1 x front Audio Out pin headers
I/O Interfaces	
Network	1 x Intel i211AT + 1 x Intel i219LM Gigabit network card, support Wake on LAN
USB	Rear USB: 4 x USB3.2 (Gen1) Front USB: 2 x USB3.2 (Gen1) + 1 x Type-C USB3.2 Built-in: 4 x USB2.0 (2 x 2.54pitch pin headers)
COM	6 x COM (RS232, COM3 and COM4 have RS485 option)
Expansion	1 x Mini PCIe (full-height, PCIe signal) 8 x GPIO 1 x TPM2.0 pin headers 1 x Open Case Detection (2pin) 1 x Automatic Power On (3pin) 1 x PCIe x16 1 x M.2 (M3052), support 4G/5G 1 x M.2 (M2280) PCIe x4 1 x M.2 (M2280) PCIe x4/SATA signal 1 x M.2 (M2230), support WIFI/BT
Power Supply	12V/19V DC-IN
Mechanical & Environmental	
Dimension	170 x 227.5mm
Cooling	Standard cooling
Operating Temp.	0-60°C
Storage Temp.	-20-80°C

ABOUT POLYHEX

As a board level and system level designer and manufacturer, Polyhex, with 9-year 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, Allwinner 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.

