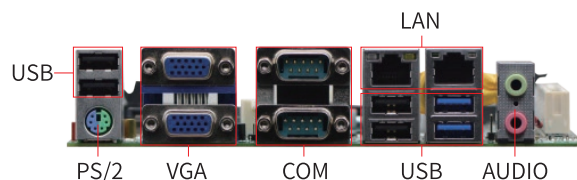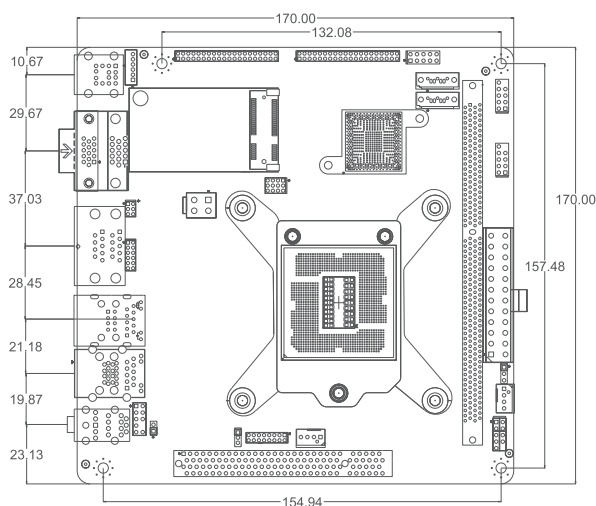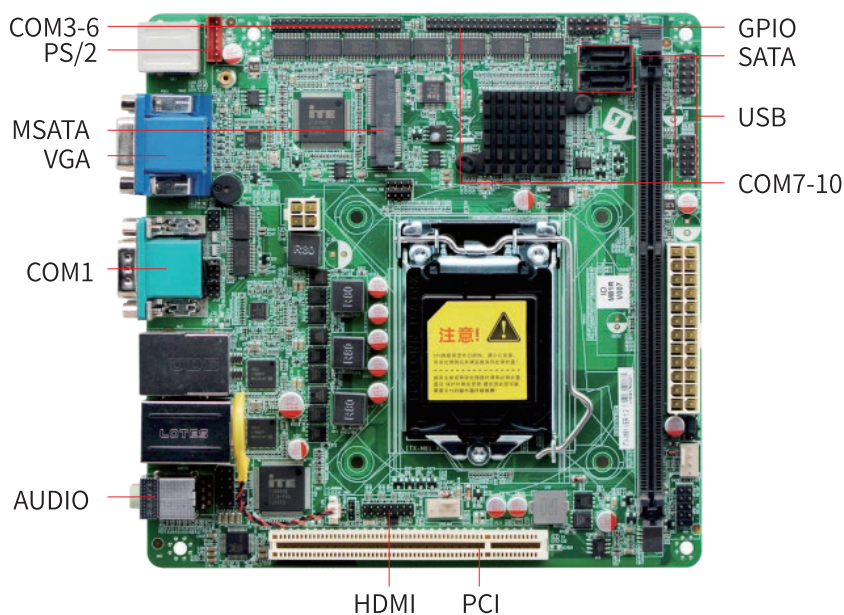**POLYHEX**

Mini ITX Motherboard Based on LGA1150 Intel Celeron/Pentium/Core i3/i5/i7 CPU

Main Features:

· LGA1150 4th Intel Core i7/i5/i3, Pentium, Celeron Processors
· Intel H81 chipset
· Single-channel DDR3 UDIMM slot, 1333/1600MHz memory up to 16GB
· Internal integrated Intel HD display controller, 2 x VGA OUT, 1 x HDMI OUT, supporting independent dual display
· Windows 7/10 and Linux operating system
· Powerful logic computing technology capabilities, strong integration performance and low power consumption
· Applications: Industrial control, information systems, financial equipment, automatic ticketing systems, automobiles, military and terminals

Specification:

System	
CPU	LGA1150 Intel Celeron/Pentium/Core i3/i5/i7 processors
Chipset	Intel H81 chipset
Memory	1 x DDR3 DIMM slot, supports single-channel 1600/1333MHz memory up to 16GB
Storage	2 x SATA HDD interface (SATA1 supports SATA 3.0, transmission rate up to 6Gbps)
BIOS	64Mb Flash ROM
Operating System	Windows 7/10, Linux
Video & Audio	
Graphics Controller	Integrated HD Graphics Controller, support DirectX11.2, OpenGL4.3
Interfaces	2 x VGA, 1 x HDMI 2.0 Display OUT
	Supports dual VGA synchronous/asynchronous display, supports VGA and HDMI synchronous/asynchronous display
Audio	Onboard ALC662 6-channel Hi-Fi Audio Controller, supports Mic/Line-out
Other Interfaces	
Network	2 x WGI211AT 1000M Network, supports Wake on LAN/PXE
Expansion	1 x PCI Slot
	1 x mSATA, supports SSD, WIFI (SSD for default)
	Supports Intel protocol SSD, transmission rate up to 6Gbps
I/O Interfaces	1 x PS/2 Interface
	2 x DB9 RS232 serial port, COM 1 could provide power with Pin9
	8 x USB 2.0, 2 x USB 3.0
	8 x RS232 serial port (COM3 supports RS232/RS485/RS422)
Fan	1 x 4pin CPU Fan, 1 x 4pin System Fan
GPIO	4 x GPIO I/O interface
Watch Dog	Supports hardware reset function
Power Supply	
Power Supply	ATX 24pin and 4pin power supply
Mechanical & Environmental	
Size	170 x 170mm
Operating Temp.	-10~60℃
Storage Temp.	-20~70℃
Operating Humidity	5%~95% relative humidity, non-condensing

Order Information:

CPU	Memory	VGA	HDMI	LAN	USB	COM	RS485/422	Power
LGA1150	1 x DDR3	2	1	2 x WGI211AT	10	10	COM3	ATX

POLYHEX
Beyond the Embedded Deployment