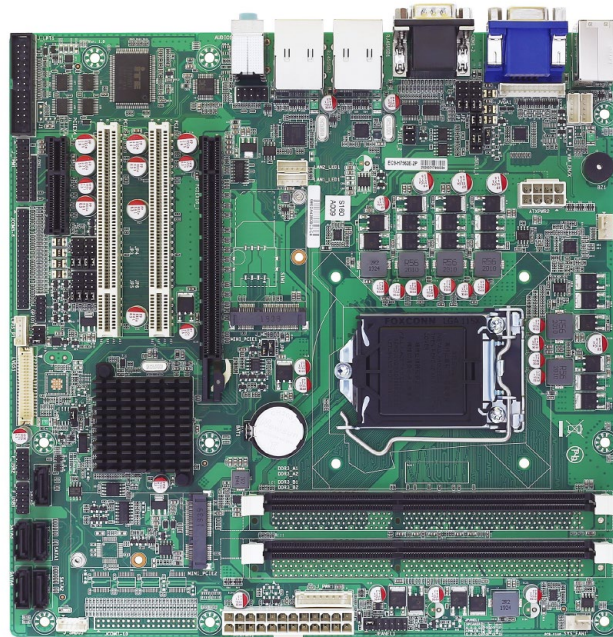**POLYHEX**

Micro ATX Motherboard Based on Intel B75 Chipset, Supporting Intel 2/3 Gen. Core i3/i5/i7, Pentium and Celeron CPU

Main Features:

· Support Intel 2/3 Gen. Core i3/i5/i7, Pentium and Celeron CPU
· Intel B75 chipset
· 6 x COM, 10 x USB, 2 x Intel Gigabit network interface
· 1 x VGA, 1 x HDMI, 1 x LVDS/eDP, supports dual screen different display
· 1 x PCIe x16, 1 x PCIe x4, 2 x PCI
· 2 x Mini-PCIe, supports mSATA and Wifi/3G/4G
· Supports VTM audio switching function

Specification:

General Parameters	
CPU	Intel 2/3 Gen. Core i3/i5/i7, Pentium, Celeron CPU, LGA1155
Chipset	Intel B75 chipset, TDP 6.7W
Memory	DDR3-1066/1333/1600, 2 x U-DIMM, up to 16GB
Storage	2 x SATA3.0, 3 x SATA 2.0 (SATA0 supports SATA DOM)
Expansion Interfaces	1 x PCIe x16, 1 x PCIe x4, 2 x PCI
	2 x Mini-PCIe (support 1 x mSATA/USB2.0, 1 x Wifi/3G/4G)
BIOS	AMI UEFI BIOS
OS	Windows XP/7/8.1/10, Linux
I/O Interfaces	
Ethernet	2 x Intel 1Gbps PCIe ethernet controller, RJ45
Serial Ports	5 x RS232, 1 x RS232/ RS485/ RS422 (up to 10 x RS232, with COM expansion chip)
USB	4 x USB 3.0, 6 x USB 2.0
Audio	Realtek ALC662 5.1 sound channel, with MIC/Line-out/Line-in
PS/2	1 x PS/2 (keyboard & mouse)
Parallel Ports	1 x LPT Header
GPIO	8 x programmable GPIO
Display	
Display	1 x VGA: maximum resolution up to 1920 x 1200@60Hz
	1 x HDMI: maximum resolution up to 1920 x 1200@60Hz
	1 x LVDS/eDP: LVDS, dual channel 24bit, maximum resolution up to 1920 x 1200@60Hz
	eDP, maximum resolution up to 1920x 1200@60Hz
Multiple Display	Triple display
Mechanical & Environment	
Dimension	244 x 244mm
Power Input	ATX PSU
Temperature	Operating: 0°C~60°C, stroage: -20°C~75°C
Relative Humidity	Operating: 10%~90%, storage: 5%~95%, non-condensing

POLYHEX
Beyond the Embedded Deployment