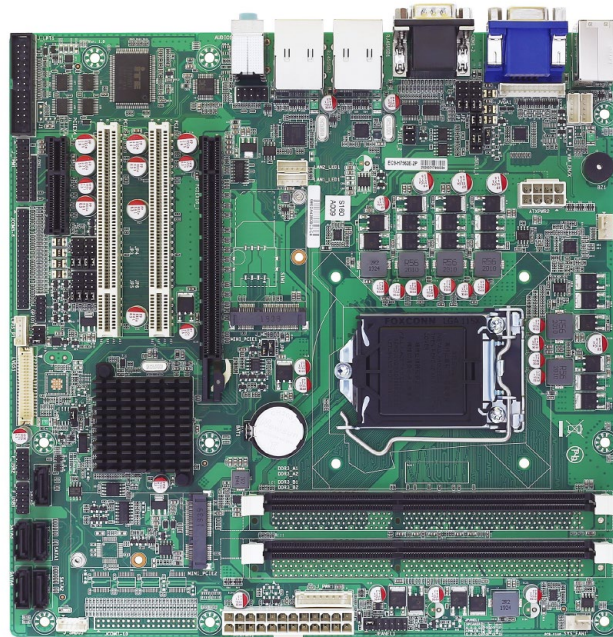




Micro ATX Motherboard Based on Intel B75 Chipset, Supporting Intel 2/3 Gen. Core i3/i5/i7, Pentium and Celeron CPU

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

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.

