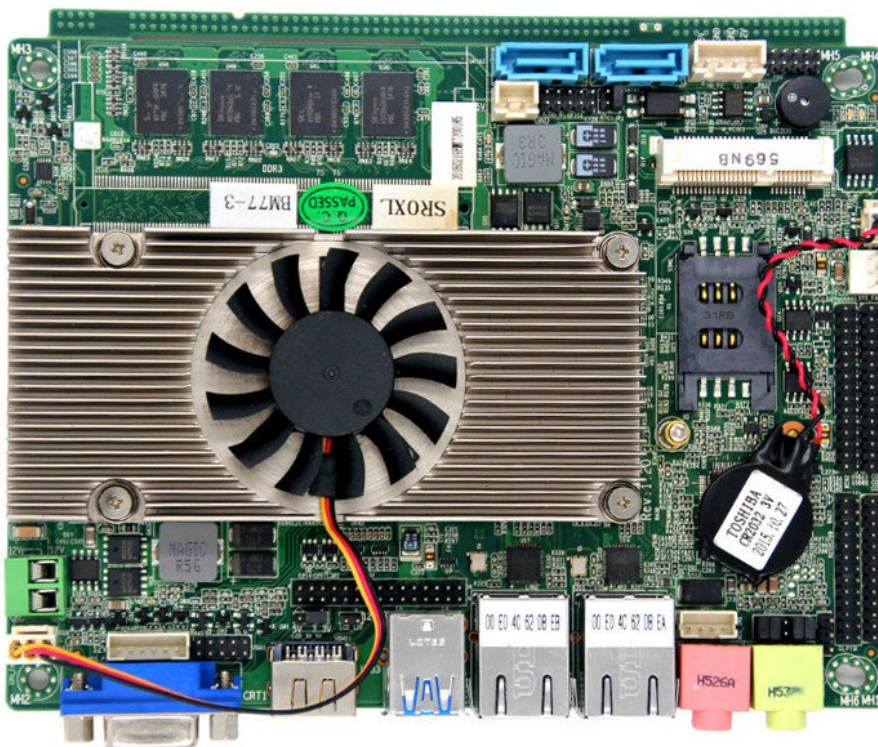




Industrial Motherboard based on Intel HM77/HM67 Chipset, Supporting Sandy/Ivy Bridge i3/i5/i7 U Series CPU

Main Features:

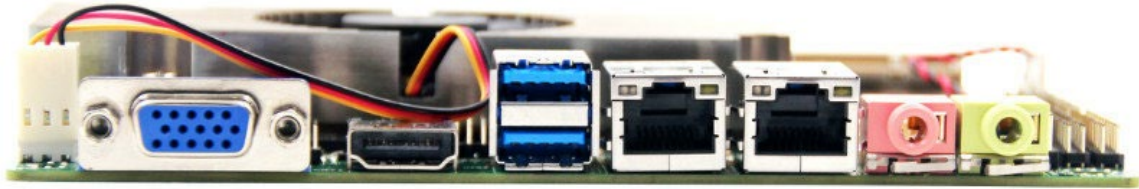
- Based on Intel HM77/HM67 chipset, supporting Intel Mobile Sandy/Ivy Bridge i3/i5/i7 U series CPU
- Onboard 2GB/4GB DDR high-speed memory
- 1 x DDR3 1066/1333/1600MHz SODIMM slot up to 8GB
- Supports HDMI, LVDS and VGA display output
- 2 x Gigabit Ethernet, 1 x Mini PCIe (supports Wifi or 3G/4G module)
- 2 x SATA2.0/2 x USB3.0 /6 x USB2.0 /6 x COM /1 x Mini SATA (supports SSD)/1 x LPT



Specification:

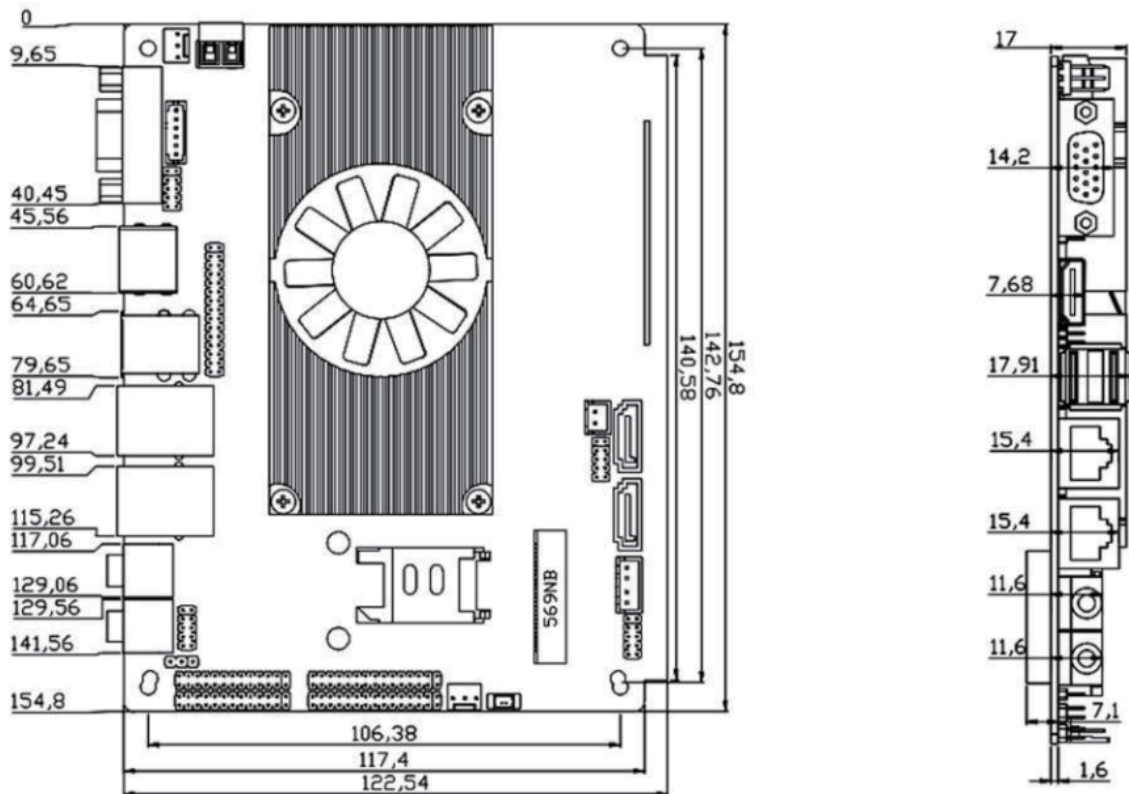
Processor System	CPU	Intel® Core™ i3-3217U 1.80GHz Intel® Core™ i5-3337U 1.80GHz up to 2.70GHz Intel® Core™ i7-3667U 2.0GHz up to 3.20GHz
	CPU Packaging	BGA
	Chipset	Intel® HM77(or HM76) high-speed chipset
	BIOS	AMI BIOS
	Memory	Technique Architecture
Memory	Capacity	Integrated 2GB/4GB DDR3
	Slot	1 slot can be added, maximum memory expansion up to 8GB
	Vedio	Graphics
Vedio	Dual LVDS	Supports dual channel 24bit output with resolution up to 1920 x 1200
	HDMI	HDMI up to 1920 x 1200
	Dual Display	LVDS + VGA, LVDS + HDMI, HDMI + VGA synchronous or asynchronous display
Back I/O	Interfaces	1 x VGA, 1 x HDMI, 2 x LAN, 2 x USB3.0/1 x MIC-OUT/LINE-OUT
Network	Controller	2 x RTL8111E-V Gigabit network, RJ45 interface
Audio	Controller	Realtek HD ALC662 audio decoding (left and right channels + microphone)
Super I/O	Controller	NCT6106D
Hardware Monitor	Watch Dog Timer	0-255s, provides Watchdog routine
	Cooler	Aluminum radiator with fan
I/O Interfaces	USB	2 x USB3.0 compatible with USB2.0 / 1.1, 8 x USB2.0, supports up to +5V/1A
	Serial Ports	5 x RS-232, 1 x RS422/485 optional, RS485 supports automatic flow control
	PS/2	None
	GPIO	8 bit, provides routine, freely defines input/output, 3.3V@24mA electrical level
Expansion Bus	Mini-PCIe	1 x Mini-PCIe slot, supports PCIe and USB devices
	SMBUS	
Storage	SATA	2 x SATA II up to 3Gb/s
	M-SATA	1 x Mini-PCIe M-SATA Scket, supports SANDISK Protocol, up to 3Gb/s
Power Supply	Type	Single input DC power supply, DC12V, ±5%
	Power Consumption	17W (Standby) , 35W (Regular)
Environment	Operating Temp.	-20°C ~ +60°C
	Storage Temp.	-40°C ~ +85°C
	Operating Humidity	0% ~ 90% Relative Humidity(non-condensing)
	Storage Humidity	0% ~ 90% Relative Humidity(non-condensing)
Size	Dimensions	154.8 x 117.4mm
	Weight	0.5kg

I/O Interface:



Dimension:

Unit: mm



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.

