



Embedded Motherboard Based on Intel 6th Gen. Skylake-u/7th Kabylake-u CPU



Specification:

Form Factor	3.5" board
SOC	6th Gen. Skylake-u or 7 th Kabylake-u, I3, I5, I7 support:
	Intel® Core™ i3-6100U 2.3GHz 15W
	Intel® Core™ i5-6200U 2.3GHz 15W
	Intel® Core™ i7-6500U 2.5GHz 15W
	Intel® Core™ i3-7100U 2.4GHz 15W
	Intel® Core™ i5-7200U 2.5GHz 15W Intel® Core™ i7-7500U 2.7GHz 15W etc.
Memory	Onboard 8GB DDR4(Voltage 1.2V), up to 2133MHz
Graphics	1 x VGA up to 1920 x 1080@60Hz
	1 x HDMI up to 1920 x 1080@60Hz
	1 x LVDS 18/24-bit single or dual channels
Ethernet	2 x intel10/100/1000Mbit Ethenet, AMT9.5 (Intel®Clarkville i218LM and i5, i7)
SATA	2 x SATA1.0/2.0/3.0, RAID 0,1,5, 1x mSATA
mPCIe	1 x mPCIe
USB	4 x USB3.0/2.0 (front I/O)
	4 x USB2.0 (internal)
Serial Ports	4 x RS232 (3 wire), 2 x RS232 (3 wire) plus 1 x RS422 or RS485
IO	8 x GPIO (front) , 1 x SIM slot (expansion, optional)
Audio	ALC662 HD audio (Line-in , Line-out, Mic-in)
Power Supply	+9V~+21VDC, Recommend +12VDC
Temperature	Operating -20°C to +75°C , -40°C to +85°C (optional)
Dimensions	146mm x 101.6 mm
Cooling	Passive cooling solutions (optional fan)
OS	Win7, Win8, Win10, WES7, WES8, Linux, VxWorks

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.

