EC3-1821

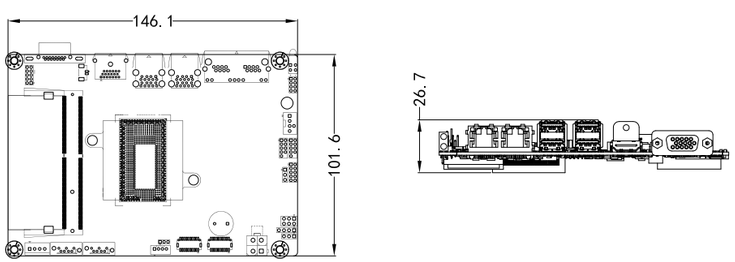
3.5" Single Board Computer

EC3-1821 is a standard 3.5" motherboard with onboard Intel Skylake-U series processors of high performance and low power consumption. It has abundant IO ports, supports multiple display ports, multiple U ports, multiple serial ports, 1 × Mini-pcie port, 1 × SIM card slot, 1 × M-Sata and 1 × custom expansion port. It is widely used in machine vision, intelligent robots, medical treatment, automation and other industries.

Product Features

- Onboard low power consumption processor
- Multiple IO ports
- Custom expansion port
- Optional wide-temperature environment

Product Dimensions Drawing



(Please refer to the user manual to check detailed specifications and dimensions) (unit: MM)

Product Specifications

Item	Description
Processor	Onboard I7-6600U 2.6Ghz, I5-6300U 2.4Ghz, I3-6100U 2.3Ghz and 3955U 2.0Ghz processors
Chipset	SkyLake-U
Memory	1 × 260Pin DDR4 memory slot, supporting up to 16G
Display Port	VGA、HDMI、LVDS
Audio	Supports MIC-IN/LINE-IN/LINE-OUT
LAN	2 × 10/100/1000Mbps LAN port
Storage	2 × SATA3.0 port and 1 × mSATA port
I/O Port	2 × serial port, supporting RS-232/RS-422/RS-485 mode selection 4 × USB3.0, 2 × USB2.0 1 × 8-channel digital I/O port
Bus Expansion	1 × Mini-pcie port, 1 × SIM card port and 1 × custom expansion port
Power supply	Single 12V power supply
Working Environment	0°C~60°C (standard configuration), expandable temperature range: -40°C~85°C (optional)
Storage Environment	-40°C～85°C
Constant Damp Heat	40°C 95%RH, non-condensing
Overall Dimensions	146.1mm (L) ×101.6mm (W)
Operating system	WIN7, WIN10 and LINUX system

Ordering Information

Part No.	Model	Description
0030-022211	EC3-1821-3955U	3.5" single board computer/onboard 3955U processor/1 × 260Pin DDR4 memory slot, supporting up to 16G/2 × SATA3.0/1 × M-sata/VGA+LVDS+HDMI/2 × Gigabit LANport/2 × serial port/1 group of audio ports/4 × USB3.0, 2 × USB2.0/1 × Mini-pcie port/1 × SIM card port/1 × 8-channel digital I/O port/1 × custom expansion port
0030-022151	EC3-1821-I36100U	3.5" single board computer/onboard I36100U processor/1 × 260Pin DDR4 memory slot, supporting up to 16G/2 × SATA3.0/1 × M-sata/VGA+LVDS+HDMI/2 × Gigabit LANport/2 × serial port/1 group of audio ports/4 × USB3.0, 2 × USB2.0/1 × Mini-pcie port/1 × SIM card port/1 × 8-channel digital I/O port/1 × custom expansion port
0030-022221	EC3-1821-I56300U	3.5" single board computer/onboard I56300U processor/1 × 260Pin DDR4 memory slot, supporting up to 16G/2 × SATA3.0/1 × M-sata/VGA+LVDS+HDMI/2 × Gigabit LANport/2 × serial port/1 group of audio ports/4 × USB3.0, 2 × USB2.0/1 × Mini-pcie port/1 × SIM card port/1 × 8-channel digital I/O port/1 × custom expansion port
0030-022231	EC3-1821-I76600U	3.5" single board computer/onboard I76600U processor/1 × 260Pin DDR4 memory slot, supporting up to 16G/2 × SATA3.0/1 × M-sata/VGA+LVDS+HDMI/2 × Gigabit LANport/2 × serial port/1 group of audio ports/4 × USB3.0, 2 × USB2.0/1 × Mini-pcie port/1 × SIM card port/1 × 8-channel digital I/O port/1 × custom expansion port

Note: EVOC Intelligent reserves the right to final interpretation of product specifications and ordering information etc.