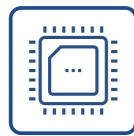PARHELIA

Intelligent manufacturing

EC7-1823

Mini-ITX Motherboard

EC7-1823 is a standard Mini-ITX motherboard which adopts BayTrail platform J1900 low-power platform, onboard two 10/100/1000Mbps LAN ports having lightning-proof function, supports multiple display ports, multiple U ports, multiple COM ports, and provides one PCIE x16 expansion port (actually providing the speed of *1), one Mini-pcie port (supporting expansion to 3G, 4G and Wifi module), one SIM card slot and one M-Sata interface. The motherboard can be widely used in industries such as banking, taxation, and automation.
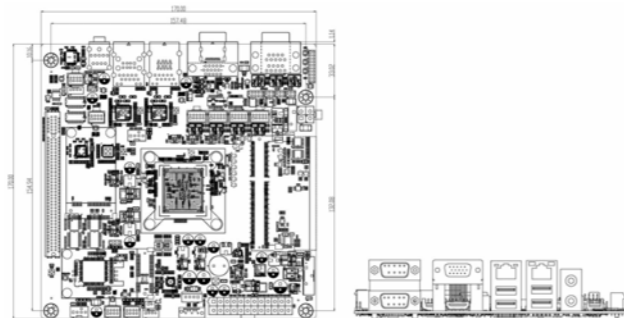
Product Specifications

Item	Description
Processor	Onboard J1900 quad-core processor
Chipset	BayTrail
Memory	1 x 204 Pin DDR3L SO-DIMM memory slot, supporting up to 8GB
Display Ports	Any two display ports among VGA, HDMI, LVDS
Audio Ports	Supports MIC-IN/LINE-OUT
LAN	2 x 10/100/1000Mbps LAN port
Storage	1 x SATA2.0
IO Ports	6 x COM port 6 x USB2.0, 1 x USB3.0 1 x 16-channel I/O port 1 x Mini-pcie port 1 x SIM card slot 1 x MSATA interface
Bus Expansion	1 x PCIEx16 (actually providing the speed of x1)
Power Supply	Single 12V power supply
Working Environment	-10℃～60℃
Storage Environment	-20℃～85℃
Constant Damp Heat	40℃ 95%RH, non-condensing
Dimmensions	170mm (L)×170mm (W)
Operating System	WIN7, WIN10, LINUX systems

Product Features

Onboard low-power processors

4G
Supports expansion to 3G, 4G and expansion to Wifi module

Multiple IO ports

Ordering Information

Part No.	Model	Description
0030-022081	EC7-1823-J1900	Mini-ITX structure motherboard/onboard J1900 processor/1 x DDR3L SO-DIMM memory slot, supporting up to 8GB/any two display ports among VGA, HDMI, LVDS/2 x Gigabit LAN port/6 x USB2.0/1 x USB3.0/6 x COM port/1 x SATA3.0/1 x 16-channel GPI0/MIC-IN/LIN-OUT/1 x PCILEx16(actually providing the speed of x1)/1 x Mini-pcie port/1 x SIM card slot/1 x MSATA
0030-022191	EC7-1823-J1900SP	Mini-ITX structure motherboard/onboard J1900 processor/1 x DDR3L SO-DIMM memory slot, supporting up to 8GB/ny two display ports among VGA, LVDS, HDMI/2 x Gigabit LAN port/6 x USB2.0/1 x USB3.0/6 x COM port/1 x SATA3.0/1 x 16-channel GPI0/MIC-IN/LIN-OUT/1 x PCILEx16(actually providing the speed of x1)/1 x Mini-pcie port/1 x SIM card slot/1 x MSATA/single 12V 4pin port/PS2 brought out via wafer
0030-022681	EC7-1823-DC	Mini-ITX structure motherboard/onboard J1900 processor/1 x DDR3L SO-DIMM memory slot, supporting up to 8GB/any two display ports among VGA, LVDS, HDMI/2 x Gigabit LAN port/6 x USB2.0/1 x USB3.0/6 x COM port/1 x SATA3.0/1 x 16-channel GPI0/MIC-IN/LIN-OUT/1 x PCILEx16(actually providing the speed of x1)/1 x Mini-pcie port/1 x SIM card slot/1 x MSATA/DC round connector/PS2 port onboard

Product Dimensions Drawing

Please refer to the user manual to check detailed specifications and dimension. (Unit: MM)

Note: The final interpretation rights for product specifications, ordering information, etc. belong to EVOC Intelligent Technology Co., Ltd.