

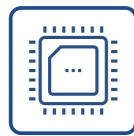
# EC3-1820

## 3.5" Single Board Computer

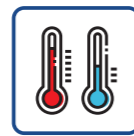
EC3-1820V2NA is a low-power embedded motherboard that is developed based on Intel® Bay Trail platform and complies with 3.5" single board specifications. This product adopts Intel's low-power solution, and its small form factor design is suitable for applications in mechanical control, power, medical equipment, and various instruments and meters.



### Product Features



Onboard low-power processors

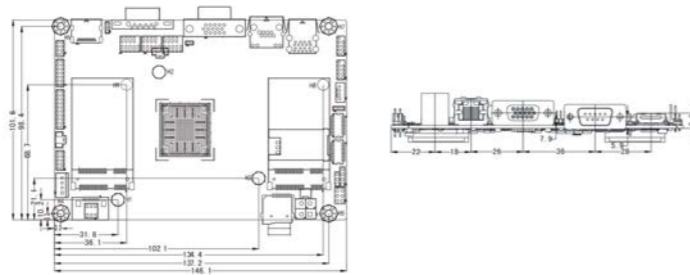


Optional wide-temperature environment



Multiple IO ports

### Product Dimensions Drawing



### Product Specifications

Item	Description
Processor	Onboard E3845, J1900 quad-core processor
Chipset	BayTrail
Memory	Onboard 4G memory
Display Ports	VGA, HDMI, LVDS
Audio Ports	Supports MIC-IN/LINE-IN/LINE-OUT
LAN	2 x 10/100/1000Mbps LAN port
Storage	1 x SATA, 1 x mSATA optional, 1 x Micro SD card slot (not supported by J1900)
IO Ports	4 x COM port, COM1, COM2 support RS-232/RS-422/RS-485 mode selection 6 x USB2.0 2 x 8-channel digital I/O port 1 x PS/2 port
Bus Expansion	1 x Mini-pcie 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
Dimensions	146.1mm (L) × 101.6mm (W) × 25mm (H)
Operating System	WIN7, WIN8, LINUX systems

### Ordering Information

Part No.	Model	Description
0030-023731	EC3-1820V2NA(D)-E3845	3.5" single board/onboard E3845 quad-core processor/onboard 4GB DDR3 memory/VGA, HDMI, LVDS/1 x PS2 port/2 x 8-channel GPIO/6 x USB2.0/1 group of audio ports/2 x LAN port/1 x M-SATA/1 x SD/1 x SATA/4 x COM port/1 x MiniPCIE port
0030-023741	EC3-1820V2NA(D)-J1900	3.5" single board/onboard J1900 quad-core processor/onboard 4GB DDR3 memory/VGA, HDMI, LVDS/1 x PS2 port/2 x 8-channel GPIO/6 x USB2.0/1 group of audio ports/2 x LAN port/1 x M-SATA/1 x SATA/4 x COM port/1 x MiniPCIE port

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