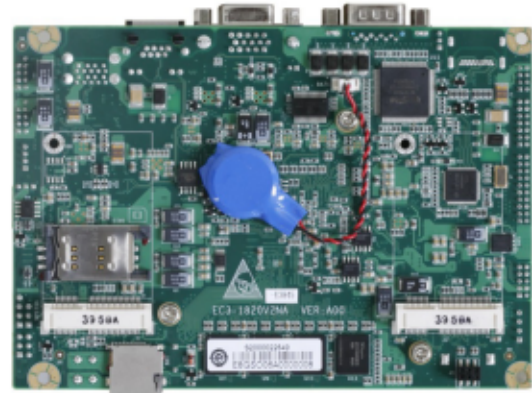


EC3-1820

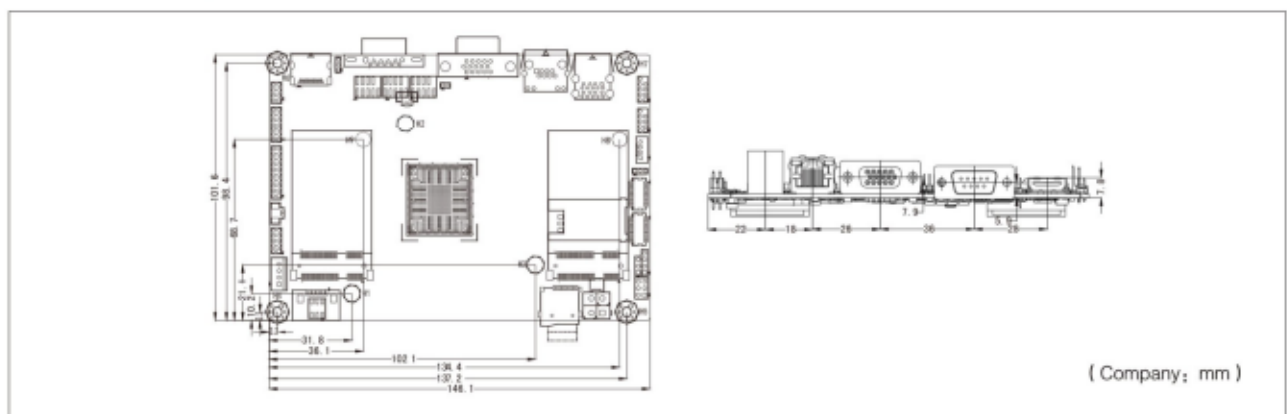
3.5" Atom Family Single Board



Features:

- ◆ Adopts Intel® Atom E3845/E3825 low-power processor
- ◆ Supports dual-channel 24BIT LVDS, HDMI display ports, which can connect various large screen display
- ◆ Onboard 4G DDR3 memory, with excellent anti-vibration performance
- ◆ Onboard M-SATA slot, MINI PCI_E slot, which facilitates expansion to M-SATA HDD, wireless network card and 3G function

Product size chart



Specifications

System	Processor	Onboard Intel Bay Trail E3845 1.91GHz or E3825 1.33GHz processor
	Chipset	Intel Bay Trail E3845 or E3825
	Memory	Onboard 4G DD3L memory
	Watchdog Timer	255 levels, programmable by second/minute, timeout interrupt or system reset
	Expansion Interface	Expansion bus 1 or 2 Mini PCI_E ports (optional)
Storage	1 x SATA, 1 x M-SATA, 1 x SD card slot	
I/O Interface	USB	5 x USB2.0 port, 1 x USB 3.0 port
	Serial Port	2 support RS-232, 2 support RS-232/422/485
	PS/2	1 x PS/2 port
	GPIO	1 x 16bit digital I/O port
	Audio	HDA standard chip, supporting MIC-IN, LINE-IN and LINE-OUT
Display	Maximum resolution supported by VGA: 2560 x 1600 @60Hz; maximum resolution supported by LVDS: 1920 x 1080; maximum resolution supported by HDMI: 1920 x 1200 @60Hz; LVDS is dual-channel 24bit	
Ethernet	2 x 10/100/1000Mbps LAN. LAN1 adopts standard RJ45 port, and supports Wake-On-LAN; LAN2 is brought out by a 2 x 7Pin pin header port	
Mechanical and Environmental	Dimensions	146.1(mm) x 101.6(mm) x 24.7(mm)
	Operating Temperature	0°C ~ 60°C(extendable to -40°C ~ 85°C); 5% ~ 95% (non-condensing)
	Storage Temperature	-40°C ~ 85°C, 20% ~ 90% (non-condensing)
	Operating Humidity	5%-95%,non-condensing
Power	Power Supply	Single 12V power supply
Operation System	WIN7, WES7, WIN8, LINUX	

Ordering Information

Part Number	Model Number	Description
0030-020561	EC3-1820V2NA-E3845	3.5-inch single board/onboard E3845 1.91GHz quad-core CPU/onboard 4GB DDR3 memory/1 x VGA, HDMI, LVDS/1 x PS/2 port/1 x 16BIT GPIO/1 x USB 3.0/5 x USB 2.0/Audio/2 x GbE/1 x M-SATA/1 x SD/1 x SATA/2 x RS-232, 2 x RS-232/422/485/1 x Mini PCI_E slot
0030-020571	EC3-1820V2NA-E3825	3.5-inch single board/onboard E3825 1.33GHz dual-core CPU/onboard 4GB DDR3 memory/1 x VGA, HDMI, LVDS/1 x PS/2 port/1 x 16BIT GPIO/1 x USB 3.0/5 x USB 2.0/Audio/2 x GbE/1 x M-SATA/1 x SD/1 x SATA/2 x RS-232, 2 x RS-232/1 x Mini PCI_E slot
0030-020691	EC3-1820V2NA-E38252M	3.5-inch single board/onboard E3825 1.33GHz dual-core CPU/onboard 4GB DDR3 memory/1 x VGA, HDMI, LVDS/1 x PS/2 port/1 x 16BIT GPIO/1 x USB 3.0/5 x USB 2.0/Audio/2 x GbE/1 x SD/1 x SATA/2 x RS-232, 2 x RS-232/2 x Mini PCI_E slot