

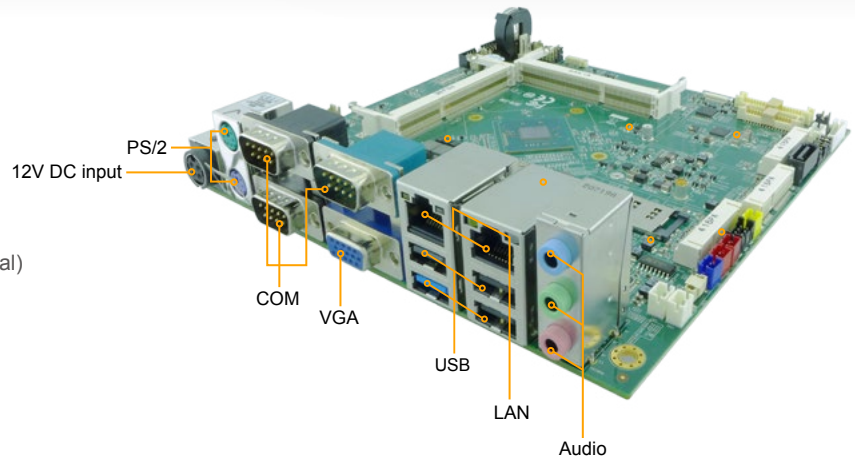
IB70 Mini-ITX SBC

W/DC 12V Input

Intel® Celeron® Bay Trail-M N2930 Processor Single Board Computer

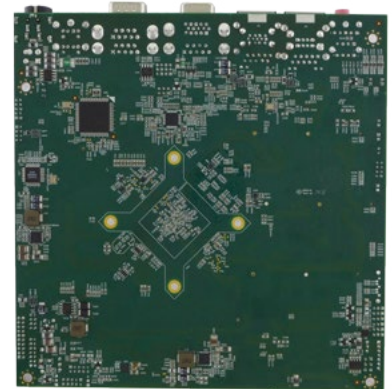
Features

- Intel® Celeron® Bay Trail-M N2930 1.83GHz Processor
- Mini ITX Form Factor
- DDR3L 1066MHz dual-channel SDRAM supported up to 8GB
- 12V DC Power Input
- Integrated VGA, Dual-Channel 24-bit LVDS, eDP(Optional)
- Supports 1xSATA II, 4xCOM, 1xUSB 3.0, 7xUSB 2.0
12-Pin GPIO Connector, 2xMini PCIe Slot



Specification		
System Specification	CPU	Intel® Celeron® Bay Trail-M N2930 1.83GHz Processor
	System Memory	Dual DDR3L 1066 MHz SO-DIMM Slot, Max. 8GB
	Chipset	Intel Atom SoC Integrated
	BIOS Flash	AMI Legacy Flash (default) or UEFI Flash (optional)
	Super IO Chipset	Fintek F81866
Display Specification	LCD Interface	Dual-channel 24 bit LVDS Up to 1920 x 1080 @ 60Hz
	Graphic Resolution	VGA Mode : Up to 1920 x 1200 @ 60Hz
	Multiple Display	Dual display
Audio	Codec	Realtek ALC886 HD Audio Codec
	Audio Interface	Line-in, Line-out, Mic in
Ethernet	LAN	Intel WG82574L GbE LAN x 2
	Ethernet Interface	1000 Base-Tx Gigabit Ethernet Compatible
I/O Ports Specification	Rear I/O	2 x RJ-45 2 x PS/2 (Keyboard/Mouse) 2 x RS-232 1 x RS232/422/485 1 x USB 3.0, 3 x USB 2.0 1 x VGA 1 x Audio Jack (Mic-in/Line-in/ Line-Out) 1 x DC-in Power Jack (+12V)
	Internal I/O	1 x RS-232 by pin-header 4 x USB 2.0 by pin-header 1 x LVDS by 2 x 10 pin-header 1 x eDP (via DF-13 connector) 1 x SATA II 1 x Digital I/O (12 ports GPIO) 1 x Power-input 2x2-pin connector 1 x SIM Slot 1 x LPT
	Expansion Slot	2 x Mini PCIe (1 for WiFi, 1 for 3G Module) 1 x Mini PCIE Slot (for SATA II SSD)
Mechanical and Environment	Dimensions (W x L x H)	170 x 170 (mm)
	Operating Temperature	0 deg.C to 50 deg.C
	Storage Temperature	-20 deg.C to 60 deg.C(-4 deg.F to 140 deg.F)
	Humidity	10~95% RH@400C, non-condensing
Power Management	Power Requirement	12V DC-IN Power Jack
	Power Consumption	7.5W
Operation System	OS Support	Windows Embedded 7, Windows Embedded 8
Packing List		IB70 Single Board Computer IB70 Manual & Driver CD V1.0

Bottom View



Board Dimension

