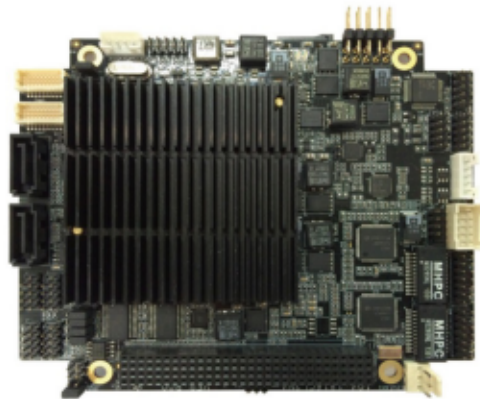


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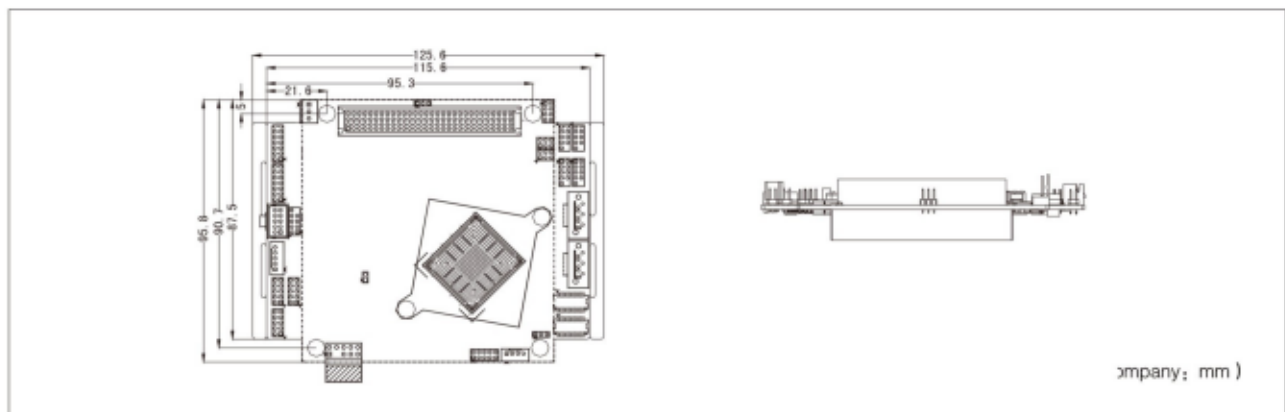
Single Board Computer with CPU/Memory/LVDS/VGA/2LAN/Audio



Features:

- ◆ Onboard Bay Trail -M CPU
- ◆ Onboard 4GB DDR3L memory
- ◆ 2 x 10/100/1000 Mbps Ethernet controller
- ◆ Supports VGA+LVDS dual display

Product size chart



Specifications

System	Processor	Onboard Intel Bay Trail-M SoC N2930 1.83GHz(2M Cache, up to 2.16GHz)
	Chipset	N2930
	Memory	Onboard 4G DDR3L memory chip Bay Trail-M supports 1066MT/s
	Watchdog Timer	255 levels, programmable by second/minute, timeout interrupt or system reset
	Expansion Interface	PCI-104 expansion bus
Storage	Serial ATA	2 x SATA 2.0 interface
I/O Interface	USB	3 x USB2.0 port, 1 x USB3.0 port
	Serial Port	4 x COM port (COM1 supports RS-232/422/485 optional)
	Parallel Port	1 x LPT
	PS/2	1 x mouse/keyboard port
	GPIO	8-channel input/output I/O port
	Audio	HDA standard, supporting MIC-IN, LINE-IN, LINE-OUT
Display	Chipset	Intel® HD Graphics(Graphics Base Frequency 313MHz, Max Dynamic Frequency 854MHz)
	Memory	N/A
	Resolution	VGA+LVDS are asynchronous output; VGA supports up to 2560 x 1600@60Hz resolution LVDS supports up to UXGA1920 x 1080 resolution.
	Display	Supports VGA, LVDS display
Ethernet	Chipset	2 x Intel® I210AT
	Speed	10/100/1000Mbps
	Connector	2 x RJ45
Mechanical and Environmental	Dimensions	115.6(mm)x95.8(mm)x23.8(mm)
	Operating Temperature	0°C ~ 60°C(extendable to -40°C ~ 85°C); 5%~95% (non-condensing)
	Storage Temperature	-40°C ~ 85°C, 5%~95% (non-condensing)
	Operating Humidity	5%~95%, non-condensing
Power	Power Supply	Single 5V power supply
	Power consumption	The typical consumption is based on the following idle status values CPU: Genuine Intel(R)CPU@1.83GHz Memory: onboard 4GB RAM Operating system: Win8 32bit +5V@ 2.03A; +5%/-3%
Operation System	Windows OS	Windows8, windows7
	Embedded OS	Linux

Ordering Information

Part Number	Model Number	Description
0030-020071	104-1816CL2NA	PCI-104 bus/onboard 1.83GHz CPU/onboard 4G DDR3 memory/VGA+LVDS/2 x SATA/2 x 1000Mbps LAN port/3 x USB 2.0/1 x USB 3.0/1 x RS 232/422/485, 3 x RS232/1 x HD Audio/1 x PS2 /1 x 8bit GPIO