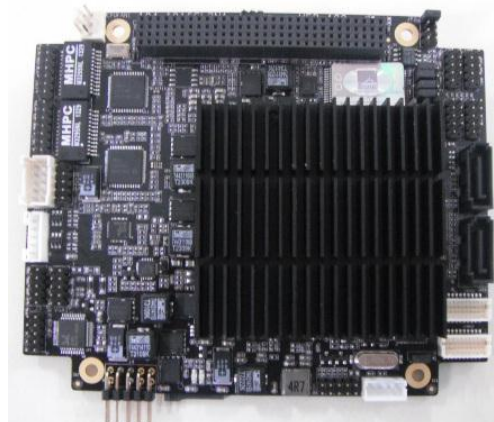


**104-1816****104 SBC with Bay Trail-M/N2930/VGA/LVDS**

- Onboard Intel® Bay Trail-M N2930
- Onboard 4G DDR3L
- Support VGA+LVDS display
- Support PCI-104 bus
- Fanless design
- Powered by DC 5V
- -40~85°C optional

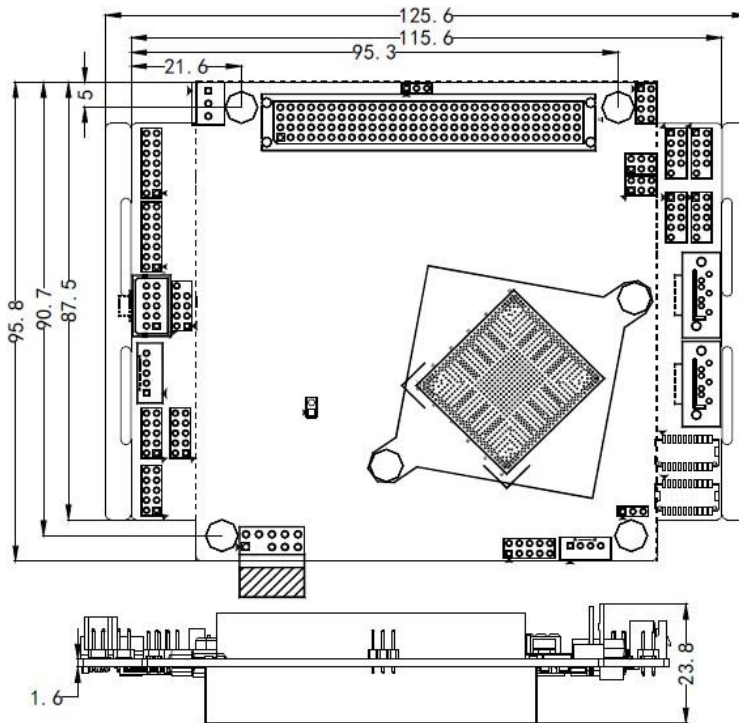
**Specifications**

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 PS/2
GPIO	8-channel input/output I/O port
Audio	HDA standard, support 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 2560×1600@60Hz resolution LVDS supports up to UXGA1920×1080 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	5V only DC input
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

Dimension



Unit:mm

Ordering Information

Part Number	Model Number	Description
0030-020071	104-1816CL2NA	104 SBC/Onboard Intel N2930/Onboard 4G DDR3/VGA+LVDS/2*SATA/2*GbE/ 3*USB 2.0/1*USB 3.0/1*RS232-422-485, 3*RS232/1*HD Audio/1*PS2/1*8bit GPIO/ 5V only DC input/0~60°C