

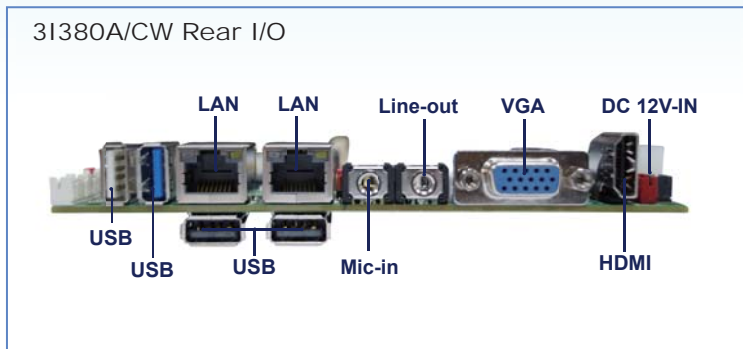
## 31380A / 31380CW Series

Intel® Bay Trail-I E3815/E3845 CPU, 3.5" SBC,  
 DDR3L Memory, VGA, HDMI, LVDS  
 2 x Gb Intel Ethernet, 2 x Mini PCIe,  
 1 x SIM card socket, 7 x USB, 6 x COM

### Features

- Embedded Intel® Bay Trail-I E3815/E3845 CPU / Chipset
- On Board 2G/4G DDR3L  
 ( 1 x DDR3L SODIMM socket for OEM option )
- Multiple Independent display: VGA, HDMI & LVDS
- 2 x Intel GbE LAN, 1 x USB 3.0,  
 6 x USB 2.0, Line-out, Mic-in, 6 x COM
- 2 x Mini PCIe, 1 x SIM card socket

### Back Panel



### Specification:

MODEL	31380A	31380CW
CPU Type	Bay Trail-I E3815 1.46GHz (Single core processor) Bay Trail-I E3845 1.91GHz (Quad core processor)	
MB Chipset	Intel Bay Trail-I E3815/E3845 Chipset	
BIOS	Insyde UEFI BIOS	
Graphics	Intel's 7th generation (Gen 7) graphics and media encode/decode engine, Supports DX*11, OpenGL 3.0 (OGL 3.0), OpenCL 1.2 (OCL 1.2), OpenGLES 2.0	
System Memory	On Board 2G/4G DDR3L ( 1 x DDR3L SODIMM socket for OEM option ) ; DDR3L 1066 MHz for E3815, 1333 MHz for E3845	
NAND flash memory	On board SSD 4/8/16/32 GBytes (optional)	
SATA	1 x SATA ports 2.0 Data transfer rates up to 3.0 Gb/s (300 MB/s) 1 x mini card socket for mSATA	
Audio	High Definition Audio Specification, Support Line-out / Mic-in	
Audio Amplifier	N/A	Two Channel Class D, 2.57W/Ch (Typ.) into a 4ΩLoad ; 1.46 W/Ch (Typ.) into a 8ΩLoad
LAN	2 x Intel 10 / 100 / 1000 Mbps	
LVDS/Touch Screen	N/A	Dual Ch 18/24 Bit LVDS; USB touch screen controller
IO Function	5 x RS232 (internal); 1 x 422/485 (internal)	
USB	1 x USB 3.0 (external) ; 3 x USB 2.0 (external) 3 x USB 2.0 (internal ; 2 x share with mini card)	1 x USB 3.0 (external) ; 3 x USB 2.0 (external) 2 x USB 2.0 (internal, share with mini card)
HDMI	1 x HDMI 1.4 (Type A 19 Pin )	
DIO & WDT	Hardware digital Input & Output, 8 x DI / 8 x DO Hardware Watch Dog Timer, 0~255 sec programmable	
Expansion Interface	1 x PCIe Mini card for PCIe & USB interface 1 x PCIe Mini card for Auto detect PCIe or mSATA & USB interface 1 x 3G SIM card socket	
Power	On board DC-IN +12V	Wide Range DC IN +9V~36V; CPC-Car Power Control-(option)
Dimension	146 x 102 mm (3.5 inch)	
Operation Temperature	-20°C ~ 60°C	
Operation Humidity	5 ~ 95%, non-condensing	