



21385HW Series

**Intel® Bay Trail-I E3815/E3845 CPU, 2.5" SBC,
On Board DDR3L Memory, VGA, LVDS (or eDP option),
2 x Gb Intel Ethernet, 2 x Mini PCIe, 5 x USB ,
4 x COM, Touch Screen**

Features

- **Embedded Intel® Bay Trail-I E3815 / E3845 CPU / Chipset**
- **On Board 2G/4G DDR3L , LVDS (or eDP option) ,VGA, HD Audio, 4 x COM**
- **2 x Intel GbE LAN, 5 x USB 2.0**
- **2 x Mini PCIe**

Specification:

MODEL	21385HW
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 ; 1066 MHz for E3815, 1333 MHz for E3845
LVDS	Supports 24bits / 2 channel LVDS up to 1920 x 1080 resolution; or optional to eDP output
Touch Screen	COM interface Touch screen controller
SATA	1x SATA ports 2.0 Data transfer rates up to 3.0 Gb/s (300 MB/s) 1x mini card socket for mSATA;
Audio	High Definition Audio Specification, Support Line-out / Mic-in
Audio Amplifier	Two channel Class D Audio Amplifier ; 2.57W/Ch (Typ.) into a 4ΩLoad, 1.46 W/Ch (Typ.) into a 8ΩLoad
LAN	2 x Intel 10 / 100 / 1000 Mbps
IO Function	4 x RS232 (1x optional to RS422/485) (3 x optional to RS485)
USB	5 x USB 2.0 internal wafer
DIO & WDT	Hardware digital Input & Output, 4 x DI / 4 x DO Hardware Watch Dog Timer, 0~255 sec programmable
PS2 KB/MS	PS2 KB/MS Wafer connector
Expansion Interface	1 x Full size Mini card for Auto detect PCIe & mSATA and USB interface 1 x Half size PCIe Mini card for mSATA and USB interface
Power	Wide Range DC-in +9~36V ; DC-in +12V (option)
Dimension	102 x 73 mm (2.5 inch)
Operation Temperature	-20°C ~ 70°C
Operation Humidity	5 ~ 95%, non-condensing