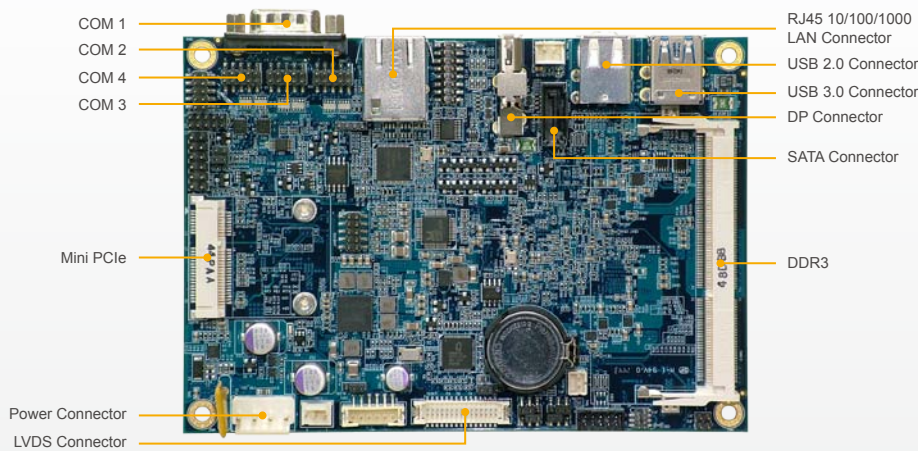


# BE-0966



3.5" SBC supports Intel® Bay Trail SOC with VGA/ Audio/ 4COM/ 1LAN



## Features

- Intel® Bay Trail-I, Bay Trail-M SOC
- Memory Support DDR3L SO-DIMM 1333/1066 MHz SDRAM up to 8GB
- Support Single Gigabit LAN
- Support 6 USB, 4 COM Port, 1 SATAII, Audio
- Support Mini-PCIe
- Support Wide temp SKU

## Specifications

### System

CPU Support	Intel® Bay Trail-I SOC Intel® Bay Trail-M SOC
CPU Frequency	E3815: 1.46GHz N2930: 1.83GHz
Chipset	Bay Trail SOC
DRAM	1 x 204-pin DDR3L SO-DIMM, Support DDR3L 1066/1333 up to 8GB
BIOS	AMI BIOS
Watchdog	1~255 sec Watchdog timer selectable
Power Supply	DC 12V in
Power Consumption	TBD
Dimension	170mm x 170mm (6.69" x 6.69")
Certificate	FCC / CE
OS Support	Windows 7, Windows 7 WES

### I/O Ports

SATA Interface	1 x S-ATA II connector
Serial Port	4 x COM port, for RS-232 Single Ports
LAN	Intel I210AT (10/100/1000 Mbps) for SKU:N2930 Intel I210IT (10/100/1000 Mbps) for SKU:E3815
Audio	High Definition Audio, Realtek ALC888
DI/O	4 in / 4 out
USB	6 ports, support USB 2.0/3.0 4 ports USB 2.0 (2 port stack connector on edge · 2 port pin-header) 2 ports USB 3.0 (2 port stack connector on edge)
Expansion BUS	1 x Mini PCIe

### Display

Graphics	Build-in Intel® Atom™; Supports 1 x VGA1 1 x DP
LCD Interface	24 bit LVDS

### Environment

Operation Temp.	WTG: -40° ~ 85° C ( -40° ~ 185° F); Others: 0° ~ 60° C ( 32° ~ 140° F)
Storage Temp.	- 40° ~ 85° C ( - 40° ~ 185° F)
Humidity	Operation humidity 20 ~ 90%, storage humidity 20 ~ 95%

\* All information contained in this document is subject to change without prior notice. Please log on [www.protech.com.tw](http://www.protech.com.tw) to acquire latest information. For detail mechanics drawing, please contact our sales.

## Ordering Information

Order No	Description
BE-0966RA-W5P	HSF, 3.5" SBC w/ Bay Trail I E3815 1.46GHz/ VGA /Audio/4COM /1LAN (GbE) /WideTemp
BE-0966RA-30P	HSF, 3.5" SBC w/ Bay Trail M N2930 1.83GHz/ VGA /Audio/4COM /1LAN (GbE)

## Packing List

Part No	Description
10-611-00200023	Jumper (2.0mm)
27-008-24902071	SATA Cable
27-012-32204111	DC IN Power Cable
	Quick Guide
	Driver CD

## Ordering Accessories

Part No	Description
27-004-29603111	Single USB cable
27-008-29608081	SATA cable
27-024-26904031	Single com port cable
27-028-00009003	Audio cable