



# SBC-212-WT

3.5" SBC Motherboard

## Spotlight Features

- Intel® Baytrail-I E3845 SoC Processor
- Supports Single Channel DDR3L SO-DIMM 1333MHz, up to 8GB
- 4 x COM
- 1 x HDMI, 1 x D-Sub, 1 x LVDS
- 2 x USB 3.0, 6 x USB 2.0, 2 x SATA2
- 1 x mini-PCIe, 1x mSATA (shared)
- 2 x Intel LAN
- 1 x TPM Header
- 9~36 V DC-in (4-pin DC-in PWR Con)

## Specifications

### Processor System

Dimensions	3.5" SBC (5.8-in x 4.0-in)
CPU	E3845, QC, 1.91GHz, 10W
Chipset	SOC

### Expansion Slot

PCIe	N/A
Mini PCIe	1 x half size with PCIe x1 and USB 2.0
M.2	N/A
mSATA/Mini PCIe	1xfull size with PCIe x1, SATA2 and USB 2.0

### Memory

Technology	Single Channel DDR3L 1333 MHz SDRAM
Max.	8GB
Socket	1 x SO-DIMM

### Graphics

Controller	Intel® Gen7 Intel® Graphics DX 11, OGL3.2
VGA	Supports max resolution up to 1920 x 1200
LVDS	Supports max resolution up to 1920 x 1200@60Hz
eDP	N/A
HDMI	Supports max resolution up to 1920 x 1200
DVI	N/A
DisplayPort	N/A
Multi Display	Triple Display

### Ethernet

Interface	10/100/1000 Mbps
Controller	2 x Intel I210IT

### Environment

Operating Temperature	-20°C – 75°C
Storage Temperature	-40°C – 85°C

### Rear I/O

VGA	1
DVI	N/A
HDMI	1
DisplayPort	N/A
Ethernet	2
USB	1 x USB 3.0, 1 x USB 2.0
Audio	1 (Line-out)
Serial	N/A
PS/2	N/A

### Internal Connector

USB	6 x USB 2.0
LVDS	1
eDP	N/A
VGA	N/A
Serial	3 x COM (RS-232), 1 x COM (RS-232/422/485)
SATA	2 x SATA2
Parallel	N/A
GPIO	4 x GPI + 4 x GPO
SATA PWR Output Con	1
Speaker Header	1
TPM	1 x Header

### Watchdog Timer

Output	From Super I/O to drag RESETCON#
Interval	256 segments, 0,1,2....255sec/min

### Power Requirements

Input PWR	9-36V DC-In (4-pin DC-in PWR Con)
Power On	AT/ATX Supported AT : Directly PWR on as power input ready ATX : Press button to PWR on after power input ready

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