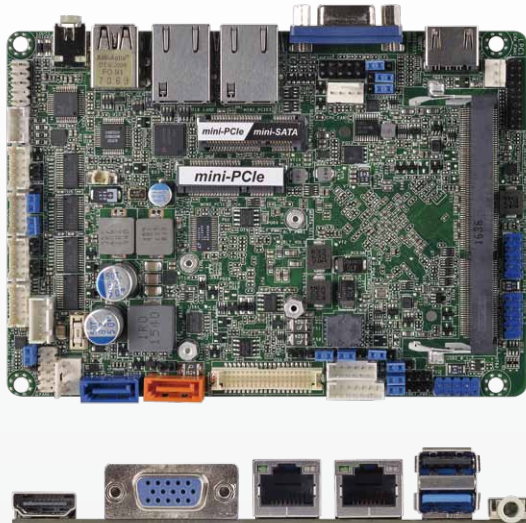


# SBC-212-WT

## 3.5" SBC Motherboard



### Spotlight Features

- Intel® Atom™ Baytrail-I E3800 Series
- Integrated Intel® Gen7 Intel® Graphics DX 11, OGL3.2
- Supports Single Channel DDR3L 1333MHz, 1 x SO-DIMM, up to 8GB system memory
- 1 x COM (RS-232/422/485), 3 x COM (RS-232)
- 1 x HDMI, 1 x D-Sub, 1 x Dual Channel 24-bit LVDS
- 2 x USB 3.0, 6 x USB 2.0, 2 x SATA2
- 1 x mini-PCIe, 1x mSATA (shared)
- Gigabit LAN : 2 x Intel LAN
- 1 x TPM Header
- 9~36 V DC-in

### Specifications

#### Processor System

Dimension	3.5" SBC (5.8-in x 4.0-in) / ( 148 x 102mm)
CPU	Intel® new Atom™ Baytrail-I E3800 Series Supports Hyper-Threading Technology
Core Number	4
Max Speed	(By CPU)
L3 Cache	2MB
Chipset	N/A
BIOS	UEFI

#### Expansion Slot

PCIe	0
Mini PCIe	1 (Half Size) + 1 (Full Size) shared with mSATA
M.2	0
mSATA	1 (Full Size) shared with SATA2

#### 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
VRAM	Shared Memory
VGA	Supports max resolution up to 1920 x 1200
LVDS	Supports Dual Channel 24-bit, max resolution up to 1920 x 1200@60Hz
HDMI	Supports max resolution up to 1920 x 1200
DVI	No
DisplayPort	No
Multi Display	Yes (Triple Display)

#### Ethernet

Interface	10/100/1000 Mbps
Controller	GbE LAN: 2 x Intel I210IT
Connector	2 x RJ45

#### SATA

Max Data Transfer Rate	SATA3 (6.0Gb/s)
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#### Rear I/O

VGA	1
DVI	0
HDMI	1
DisplayPort	0
Ethernet	2
USB	1 x USB3.0 , 1 x USB2.0
Audio	1 (Line out)
Serial	0
PS/2	0

#### Internal Connector

USB	6 (3 x 2.54 pitch header USB 2.0 compliant)
LVDS/inverter	1/1
VGA	0
Serial	1 x COM1 (RS-232/422/485) , 3 x COM (RS-232)
SATA	2 x SATA2 ( 3.0Gb/s)
mPCIe	1
Parallel	0
mSATA	1 (shared)
IrDA	0
GPIO	4 x GPI + 4 x GPO
SATA PWR Output Con	1
Speaker Header	1

#### 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 using 4-pin ATX 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

#### Environment

Operating Temperature	-20°C – 75°C
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