

SBC-210

3.5" SBC Motherboard

Spotlight Features

- Intel® Atom™ Baytrail-M/D Processor
- 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 Realtek 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 102 mm)
CPU	Intel® new Atom™ Baytrail-M/D Supports Hyper-Threading Technology
Core Number	4
Max Speed	(By CPU)
L3 Cache	2MB
Chipset	N/A
BIOS	UEFI

Expansion Slot	
PCI	0
Mini-PCIe	1 (Half Size) + 1 (Full Size) shared with mSATA
mSATA	1 (Full Size) shared with SATA2
PCIe	0
CFast Card Socket	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
VRAM	Shared Memory
VGA	Supports max. resolution 1920 x 1200
LVDS	Dual channel 24-bit, max resolution 1920 x 1200@60Hz
HDMI	Supports HDMI 1.4a, max resolution 1920x1200
DVI	No
Display Port	No
Multi Display	Yes (Dual Display)

Ethernet	
Interface	10/100/1000 Mbps
Controller	GbE LAN: Realtek RTL8111G-CG
Connector	2 x RJ-45

SATA	
Max Data Transfer Rate	SATA2 (3.0Gb/s)

Rear I/O	
VGA	1
HDMI	1
DVI-I/D	0
Display Port	0
Ethernet	2
USB	2 x USB 3.0 compliant
Audio	1 (Line out)
Serial	0
PS/2	0

Internal Connector	
USB	6 (3*2.54 pitch header USB 2.0 compliant)
LVDS/Inverter	1/1
VGA	0
Serial	4 (RS-232)
SATA	2x SATA2 (3.0Gb/s)
m-SATA	1 (shared)
Mini-PCIe	1
Parallel	0
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	0°C – 60°C