



SBC-210/ SBC-211

3.5" SBC Motherboard

Spotlight Features

- Intel® Baytrail /Baytrail-I SoC Processor
 - SBC-210D (J1900)
 - SBC-210N (N2930)
 - SBC-210L (N2807)
 - SBC-211P (E3845)
 - SBC-211M (E3826)
- Supports Single Channel DDR3L SO-DIMM 1333, 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 Realtek Lan
- 1 x TPM Header
- 9~36 V DC-in (4-pin DC-in PWR Con)

Specifications

Processor System	SBC-210	SBC-211
Dimensions	3.5" SBC (5.8-in x 4.0-in)	
CPU	-SBC-210D (J1900, QC, 2.00 GHz, 10 W) -SBC-210N (N2930, QC, 1.83 GHz, 7.5 W) -SBC-210L (N2807, DC, 1.58 GHz, 4.3W)	-SBC-211P (E3845, QC, 1.91GHz, 10W) -SBC-211M (E3826, DC, 1.46 GHz, 7W)
Chipset	SOC	

Expansion Slot	
PCIe	N/A
Mini-PCIe	1x half size with PCIe x1 and USB 2.0
M.2	N/A
mSATA/Mini PCIe	1x full size with SATA2 and USB 2.0

Memory	
Technology	Single Channel DDR3L 1333 MHz
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

Audio	
Interface	Realtek ALC897, High Definition Audio. Line-out

Ethernet	
Controller/ Speed	10/100/1000 Mbps
Connector	2 x Realtek RTL8111G-CG/RTL8111H-CG

Rear I/O	SBC-210	SBC-211
VGA	1	
DVI	N/A	
HDMI	1	
DisplayPort	N/A	
Ethernet	2	
USB	2 x USB 3.0	
Audio Jack	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

Environment	
Operating Temperature	0°C – 60°C
Storage Temperature	-40°C – 85°C

The specification is subject to change without notice. The brand and product names are trademarks of their respective companies. Any configuration other than original product specification is not guaranteed.

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

US

sales@assured-systems.com

Sales: +1 347 719 4508

Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050

Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28

Business Registration Number: 07699660