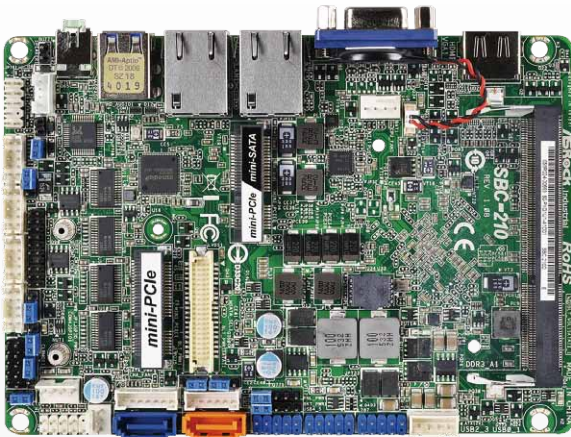


SBC-210

3.5" SBC Motherboard

Spotlight Features

- Intel® Celeron Processor J1900/N2930/N2920
 - SBC-210D (J1900)
 - SBC-210N (N2930)
 - SBC-210L (N2807)
- 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) / (146 x 102 mm)
CPU	Intel® Celeron Processor J1900/N2930/N2920
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: Realtek RTL8111G-CG
Connector	2 x RJ45
SATA	
Max Data Transfer Rate	SATA3 (6.0Gb/s)

Rear I/O	
VGA	1
DVI	0
HDMI	1
DisplayPort	0
Ethernet	2
USB	2 (USB 3.0)
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 COM (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	0°C – 60°C