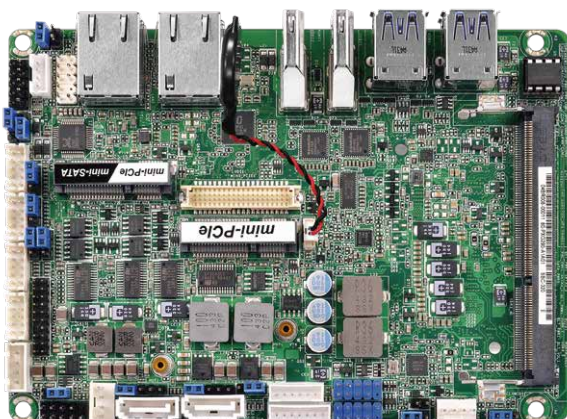


SBC-310 / SBC-311

3.5" SBC Motherboard

Spotlight Features

- Intel® 4th Gen (Haswell-U) Core™ MCP Processors
 - SBC-310P (i7-4650U)
 - SBC-310M (i5-4300U)
 - SBC-311V (i3-4010U)
- Supports DDR3L SO-DIMM 1333/1600, up to 8GB
- 2 x HDMI, 1 x LVDS co-lay with eDP
- 4 x USB 3.0, 4 x USB 2.0, 2 x SATA3
- 1 x mini-PCIe, 1x mSATA,
- 1 x Realtek LAN, 1 x Intel LAN
- 1 x TPM Header



Specifications

Processor System	SBC-310	SBC-311
Dimensions	3.5" SBC (5.8-in x 4.0-in)	
CPU	-SBC-310P (i7-4650U, QC, 1.70 GHz, 15 W) -SBC-310M (i5-4300U, QC, 1.90 GHz, 15 W)	-SBC-311V (i3-4010U, QC, 1.70 GHz, 15 W)
Chipset	SOC	

Expansion Slot	
PCIe	N/A
Mini-PCIe	1xhalf with PCIe1 and USB 2.0
M.2	N/A
mSATA/Mini PCIe	1xfull with PCIe1 (select by jumper), SATA2 and USB 2.0

Memory	
Technology	Single Channel DDR3L 1333/1600 MHz
Max.	8GB
Socket	1 x SO-DIMM

Graphics	
Controller	Intel HD Graphics (By CPU)
VGA	N/A
LVDS	1 co-lay with eDP
eDP	N/A
HDMI	Supports max resolution up to 4096x2304
DVI	N/A
DisplayPort	N/A
Multi Display	Triple Display

Ethernet		
Interface	10/100/1000 Mbps	
Controller	1 x RTL8111G, 1 x Intel® I218LM	1 x RTL8111G, 1 x Intel® I218V

Rear I/O	SBC-310	SBC-311
VGA	N/A	
DVI	N/A	
HDMI	2	
DisplayPort	N/A	
Ethernet	2	
USB	4 x USB 3.0	
Audio Jack	N/A	
Serial	N/A	
PS/2	N/A	

Internal Connector	
USB	4 x USB 2.0
LVDS	1 (co-lay with eDp)
eDP	1 (co-lay with LVDS)
VGA	N/A
Serial	2 x COM (RS-232), 2 x COM (RS-232/422/485)
SATA	2 x SATA3
Parallel	N/A
GPIO	4 x GPI + 4 x GPO
SATA PWR Output Con	1
Speaker Header	1
TPM	N/A

Watchdog Timer	
Output	Output from super I/O to drag RESETCON#
Interval	256 Segments, 0,1,2...255 Sec/Min

Power Requirements	
Input PWR	DC 9-36 input
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