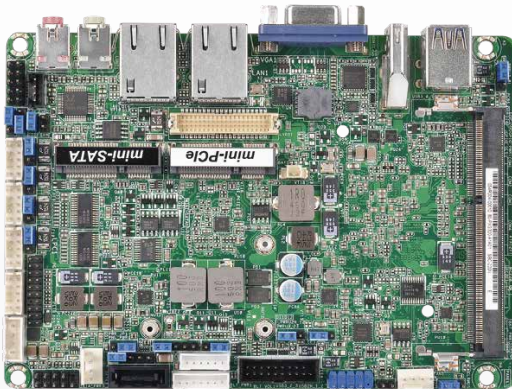


# SBC-220

3.5" SBC Motherboard



## Spotlight Features

- Intel® Braswell SoC Processor
  - SBC-220A (N3710)
  - SBC-220B (N3160)
- Supports Single Channel DDR3L SO-DIMM 1333/1600MHz, up to 8GB
- 1 x HDMI, 1 x D-Sub, 1 x LVDS/eDP
- 2 x USB 3.0, 2 x USB 2.0, 1 x SATA3
- 1 x mini-PCIe, 1 x mSATA
- 2 x Intel® Lan
- 1 x TPM Header
- +12V ~ +24V DC-in

## Specifications

### Processor System

Dimensions	3.5" SBC (5.8-in x 4.0-in)
CPU	-SBC-220A (N3710) - SBC-220B (N3160)
Chipset	SOC

### Expansion Slot

PCIe	N/A
Mini-PCIe	1xhalf/full (supports PCIe1 & USB device)
M.2	N/A
mSATA	1xfull (supports SATA3 & USB device)

### Memory

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

### Graphics

Controller	Intel® Gen8 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

### Ethernet

Interface	10/100/1000 Mbps
Controller	2 x Intel® I210

### Rear I/O

VGA	1
DVI	N/A
HDMI	1
DisplayPort	N/A
Ethernet	2
USB	2 x USB 3.0
Audio	2 (Mic-in, Line-out)
Serial	N/A
PS/2	N/A

### Internal Connector

USB	2 x USB 2.0, 2 x USB 3.0
LVDS	1
eDP	1
VGA	N/A
Serial	3 x COM (RS-232), 1 x COM (RS-232/422/485)
SATA	1 x SATA3
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	+12V ~ +24V DC-in
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

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