



SBC-240

3.5" SBC Motherboard

Spotlight Features

- BGA1296 for Intel® Apollo Lake /Apollo Lake-I SoC
 - SBC-240L (N3350)
 - SBC-240J (J3455)
- Supports Single Channel DDR3L SO-DIMM 1867, up to 8GB
- 1 x VGA, 1 x HDMI, 1 x LVDS
- 2 x USB 3.0, 4 x USB 2.0, 1 x SATA3, 4 x COM
- 2 x Realtek LAN
- 1 x TPM Header
- 12V DC-in

Specifications

Processor System	
Dimensions	3.5" SBC (5.8-in x 4.0-in)
CPU	- SBC-240L (N3350, DC, 1.1GHz, 6W) - SBC-240J (J3455, QC, 15GHz, 10W)
Chipset	SOC

Expansion Slot	
PCIe	N/A
Mini-PCIe	N/A
M.2	1 x M.2 (Key M, 2242/2260) with PCIe x1 and SATA3 1 x M.2 (Key E, 2230) with PCIe x1 and USB2.0 for Wireless
mSATA	N/A

Memory	
Technology	Single Channel DDR3L 1867MHz
Max	8GB
Socket	1 x SO-DIMM

Graphics	
Controller	Intel® Gen9 Graphics 4K Codec Decode& Encode
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 3840x 2160@30Hz
DVI	N/A
DisplayPort	Supports max resolution up to 4096x 2160@60Hz
Multi Display	Triple Display

Ethernet	
Interface	10/100/1000 Mbps
Controller	2 x RT8111G

Rear I/O	
VGA	1
DVI	N/A
HDMI	1
DisplayPort	N/A
Ethernet	2
USB	2 x USB 3.0
Audio	1 (Line-out)
Serial	N/A
PS/2	N/A

Internal Connector	
USB	4 x USB2.0
LVDS	1
eDP	N/A
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 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