

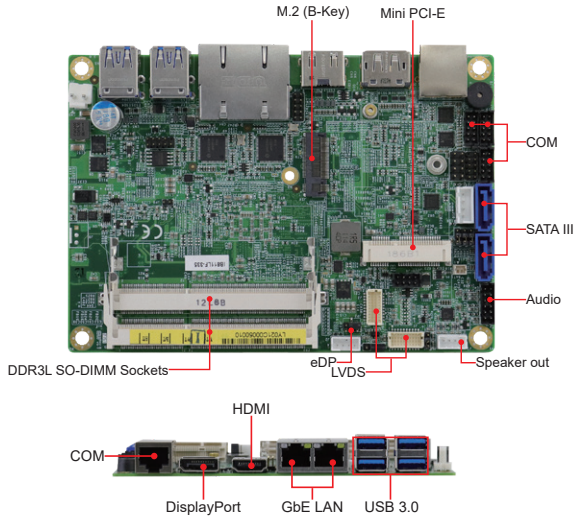


1 Single Board Computers

2 CPU Modules

3 Motherboards

4 CPU Cards

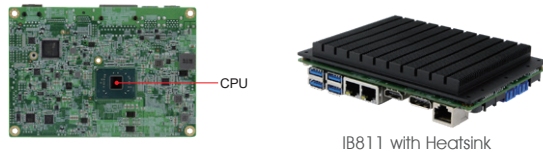


Specifications

CPU	Intel Atom® x7-E3950 Processor (1.6GHz~2.0GHz) Intel Atom® x5-E3940 Processor (1.6 GHz~1.8GHz) Intel Atom® x5-E3930 Processor (1.3 GHz~1.8GHz) Intel® Pentium® Processor N4200 (1.1GHz~ 2.5GHz) Intel® Celeron® Processor N3350 (1.1GHz~ 2.4GHz)
PCH	Integrated in Intel® SoC
Memory	2x DDR3L SO-DIMM, Max 8GB (Non-ECC)
BIOS	AMI
Watchdog Timer	256 levels
H/W Monitor	Yes
Storage Device Interface	1x mSATA
Mini Type Slots	1x Mini PCI-E (full-size), 1x M.2 (B-Key, type:3042)
Graphics Controller	Intel® SoC integrated Gen9 18EUs graphics
Video Output	Supports HDMI(1.4b), DP(1.2), 24-bit dual-channel LVDS
Ethernet	IB811F-150/140/130: 2x Intel® I210IT Gigabit LAN IB811F-420/335: 2x Intel® I211AT or I210AT Gigabit LAN
I/O Chipset	Fintek F81964D-I
Serial Port	1x RS232/422/485 (jumper-less selection) 3x RS232
USB 2.0	2x USB 2.0 via pin-header
USB 3.X	4x USB 3.0 on board
Serial ATA	2x SATA III
Audio	Intel® Atom® SoC built-in HD audio controller + Realtek ALC888SHD Codec w/ class-D speaker amplifier
TPM	TPM 2.0
Others	Digital I/O, +9V~ +36V DC-In, EuP/ErP
Dimensions (L x W)	102mm x 147mm (4" x 5.8")
Power Consumption	Intel® Atom® E3900 1.3GHz w/ 2x DDR3L 1600 4GB +12V: 1.2A
Operating Temperature	E3950/E3940/E3930: -40°C~85°C (-40°F~185°F) N4200/N3350: 0°C~60°C (32°F~140°F)
Storage Temperature	-40°C~90°C (-40°F~194°F)
Relative Humidity	90% (non-condensing @60°C)

Features

- Onboard Intel® Atom® x7-E3950/ x5-E3940/ x5-E3930 Processor [i-Temp support]
- Onboard Intel® Pentium® N4200/ Celeron® N3350
- 2x DDR3L-1866/1600 SO-DIMM, Max. 8GB
- Supports HDMI(1.4b), DisplayPort 24 bit dual-channel LVDS
- Dual Intel® Gigabit LAN
- Watchdog timer, Digital I/O, mSATA, EuP/ErP
- 4x USB 3.0, 2x USB 2.0, 4x COM, 2x SATA III
- 1x Mini PCI-E slot (full-size), 1x M.2 (B-Key)
- Wide-range operating temperature in certain models



Ordering Information

IB811LF-150	Intel® Atom® x7-E3950 (1.6GHz~2.0GHz) 3.5" SBC w/ dual GbE LAN, HDMI, DisplayPort & LVDS (24-bit dual-channel LVDS), mSATA, M.2, EuP/ErP, 9V~36V DC-in, wide temp. support
IB811LF-140	Intel® Atom® x5-E3940 (1.6GHz~1.8GHz) 3.5" SBC w/ dual GbE LAN, HDMI, DisplayPort & LVDS (24-bit dual-channel LVDS), mSATA, M.2, EuP/ErP, 9V~36V DC-in, wide temp. support
IB811LF-130	Intel® Atom® x5-E3930 (1.3~1.8GHz) 3.5" SBC w/ dual GbE LAN, HDMI, DisplayPort & LVDS (24-bit dual-channel LVDS), mSATA, M.2, EuP/ErP, 9V~36V DC-in, wide temp. support
IB811LF-420	Intel® Pentium® N4200 (1.1~2.5GHz) 3.5" SBC w/ dual GbE LAN, HDMI, DisplayPort & LVDS (24-bit dual-channel LVDS), mSATA, M.2, EuP/ErP, 9V~36V DC-in
IB811LF-335	Intel® Celeron® N3350 (1.1~2.4GHz) 3.5" SBC w/ dual GbE LAN, HDMI, DisplayPort & LVDS (24-bit dual-channel LVDS), mSATA, M.2, EuP/ErP, 9V~36V DC-in
HSIB811-B	Heatsink for IB811F-420/ 335
HSIB811-I-A	Heatsink for IB811F-150/ 140/ 130
HSIB811-1	Heat spreader for IB811F-420/ 335
HSIB811-I-1A	Heat spreader for IB811F-150/ 140/ 130
IB76A-2	Cable kit w/ USB, COM, Power, SATA + Power

Dimensions and Drawing

