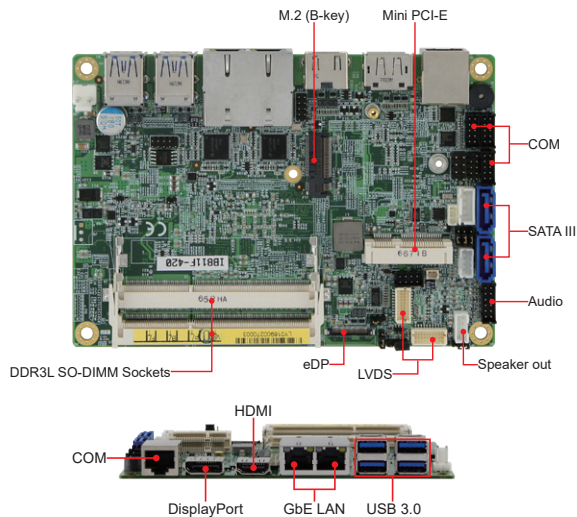


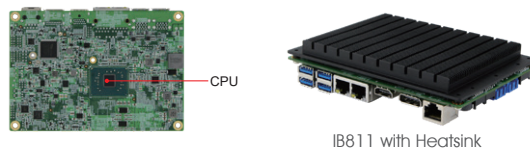


1 CPU Modules
2 Disk-Size SBCs
3 Motherboards
4 CPUC ards



Features

- Onboard Intel® Atom® x7-E3950/ x5-E3940/ x5-E3930 SoC [i-Temp support]
- Onboard Intel® Pentium® N4200/ Celeron® N3350
- 2x DDR3L-1866/1600 SO-DIMM, Max. 8GB
- Supports HDMI(1.4b), DisplayPort and eDP/ 24 bit dual-channel LVDS
- 2x Intel® I210IT PCI-E Gigabit LAN or I211AT PCI-E 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



IB811 with Heatsink

Specifications

CPU	Intel® Atom® QC x7 /E3950 (1.6GHz~2.0GHz, 2MB cache) Intel® Atom® QC x5 /E3940 (1.6GHz~1.8GHz, 2MB cache) Intel® Atom® DC x5 / E3930 (1.3GHz~1.8GHz, 2MB cache) Intel® Pentium® QC N4200 (1.1GHz~2.5GHz, 2MB cache) Intel® Celeron® DC N3350 (1.1GHz~2.4GHz, 2MB cache)
PCH	Integrated in Intel® SoC
Memory Type	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), eDP/24-bit dual-channel LVDS
Ethernet	IB811F-150/140/130: 2x Intel® I210IT PCI-E Gigabit LAN IB811F-420/335: 2x Intel® I211AT PCI-E Gigabit LAN
I/O Chip	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 3.0/ 3.1	4x USB 3.0 on board
Serial ATA	2x SATA III
Audio	Intel® Atom® SoC built-in HD audio controller + Realtek ALC283QHD 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)

Ordering Information

IB811F-150	Intel® Atom® x7/ E3950 (1.6GHz~2.0GHz) 3.5-inch Disk-Size SBC w/ dual GbE LAN, HDMI, DisplayPort & eDP or LVDS (24-bit LVDS dual-channel), mSATA, M.2, EuP/ErP, 9V~36V DC-in, wide temp. support
IB811F-140	Intel® Atom® x5/ E3940 (1.6GHz~1.8GHz) 3.5-inch Disk-Size SBC w/ dual GbE LAN, HDMI, DisplayPort & eDP or LVDS (24-bit LVDS dual-channel), mSATA, M.2, EuP/ErP, 9V~36V DC-in, wide temp. support
IB811F-130	Intel® Atom® x5/ E3930 (1.3~1.8GHz) 3.5-inch Disk-Size SBC w/ dual GbE LAN, HDMI, DisplayPort & eDP or LVDS (24-bit LVDS dual-channel), mSATA, M.2, EuP/ErP, 9V~36V DC-in, wide temp. support
IB811F-420	Intel® Pentium® N4200 (1.1~2.5GHz) 3.5-inch Disk-Size SBC w/ dual GbE LAN, HDMI, DisplayPort & eDP or LVDS (24-bit LVDS dual-channel), mSATA, M.2, EuP/ErP, 9V~36V DC-in
IB811F-335	Intel® Celeron® N3350 (1.1~2.4GHz) 3.5-inch Disk-Size SBC w/ dual GbE LAN, HDMI, DisplayPort & eDP or LVDS (24-bit LVDS dual-channel), mSATA, M.2, EuP/ErP, 9V~36V DC-in
H81B11-B	Heatsink for IB811F-420/ 335
H81B11-I	Heatsink for IB811F-150/ 140/ 130
H81B11-1	Heat spreader for IB811F-420/ 335
H81B11-1-1	Heat spreader for IB811F-150/ 140/ 130
IB76A-2	Cable kit w/ USB, COM, Power, SATA + Power

Dimensions and Drawing

