



Features

- Onboard 11th Gen Intel® Core™ i7/i5/i3 / Celeron® processor
- 2x DDR4-3200 SO-DIMM, Max. 64GB
- Supports 2x DisplayPort, eDP and 24-bit dual-channel LVDS
- 2x Intel® PCI-E GbE LAN
- 3x USB 2.0, 3x USB 3.1, 2x SATA III
- 3x M.2 sockets (B-Key/ E-Key and M-Key)
- Watchdog timer, Digital I/O, TPM (2.0), 5G compatible



Specifications

CPU	11th Gen Intel® Core™ i7-1185G7E 11th Gen Intel® Core™ i5-1145G7E 11th Gen Intel® Core™ i3-1115G4E Intel® Celeron® 6305E
PCH	Integrated in 11th Gen Intel® Core™ / Celeron® processor
Memory	DDR4-3200 SO-DIMM, Max. 64GB
BIOS	AMI
Watchdog Timer	256 levels
H/W Monitor	Yes
Storage Device Interface	1x M.2 (M-Key)
Mini Type Slots	1x M.2 (M-Key, Type:2280, Supports NVMe with PCI-E(4x) signal only) 1x M.2 (E-Key, Type:2230, Supports CNVi) 1x M.2 (B-Key, Type:3052, Supports 5G)
Graphics Controller	Intel® Gen 12 Graphics
Video Output	2x DisplayPort, eDP and 24-bit dual-channel LVDS
Ethernet	IPC-B3L7953AF series: Intel® I219LM Gigabit LAN PHY IPC-B3L7953EF series: Intel® I219V Gigabit LAN PHY Intel® I211AT or I210AT Gigabit LAN (as 2nd LAN)
I/O Chipset	Fintek F81804U-I
Serial Port	2x RS232/422/485 (Jumperless selection)
USB 2.0	2x USB 2.0 (Pin-header), 1x USB 2.0 (Type-A)
USB 3.X	3x USB 3.1 (Type-A)
Serial ATA	2x SATA III
Audio	Built-in HD with Realtek ALC269 w/ class-D amplifier
TPM	TPM (2.0)
Others	Digital I/O (4-in/4-out), EuP/ErP, +12V~+24V DC-in (+/-10%), supports IBECC (depend on CPU SKU)
Dimensions (L x W)	102mm x 147mm (4" x 5.8")
Power Consumption	Intel® i7-1185G7E 2.8GHz/ w/ 2x16GB DDR4-3200 +12V: 3.71A Intel® i3-1115G4E 3.00GHz w/ 2x16GB DDR4-3200 +12V: 3.26A
Operating Temperature	0°C~60°C
Storage Temperature	-20°C~80°C
Relative Humidity	95% (non-condensing@60°C)

Ordering Information

IPC-B3L7953AF-I7	Intel® Core™ i7-1185G7E 3.5" SBC, w/ I211AT or I210AT GbE LAN + I219LM GbE LAN, VGA (2x DisplayPort + eDP and LVDS), 2x SATA III, 2x COM, 3x M.2 (M2280/ E2230& B3052), DC-in (12V~24V), Supports iAMT 15.0, TPM (2.0), Optional Heatsink, w/o cable kit, (RoHS 2)
IPC-B3L7956AF-I5	Intel® Core™ i5-1145G7E 3.5" SBC, w/ I211AT or I210AT GbE LAN + I219LM GbE LAN, VGA (2x DisplayPort + eDP and LVDS), 2x SATA III, 2x COM, 3x M.2 (M2280/ E2230& B3052), DC-in (12V~24V), Supports iAMT 15.0, TPM (2.0), Optional Heatsink, w/o cable kit, (RoHS 2)
IPC-B3L7953EF-I3	Intel® Core™ i3-1115G4E 3.5" SBC, w/ I211AT or I210AT GbE LAN + I219V GbE LAN, VGA (2x DisplayPort + eDP and LVDS), 2x SATA III, 2x COM, 3x M.2 (M2280/ E2230& B3052), DC-in (12V~24V), TPM (2.0), supports EuP/ ErP, Optional Heatsink, w/o cable kit, (RoHS 2)
IPC-B3L7953EF-CEL	Intel® Celeron® 6305E 3.5" SBC, w/ I211AT or I210AT GbE LAN + I219V GbE LAN, VGA (2x DisplayPort + eDP and LVDS), 2x SATA III, 2x COM, 3x M.2 (M2280/ E2230& B3052), DC-in (12V~24V), TPM (2.0), supports EuP/ ErP, Optional Heatsink, w/o cable kit, (RoHS 2)
IPC-B3L7953-A	Heatsink for IPC-B3L7953
IPC-B3L7953-1	Heat spreader for IPC-B3L7953
IPC-B3L7953-2	Cable kit w/ USB, COM, Power, SATA + Power

Dimensions and Drawing

