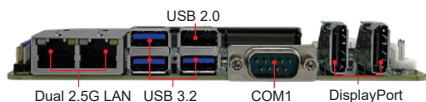
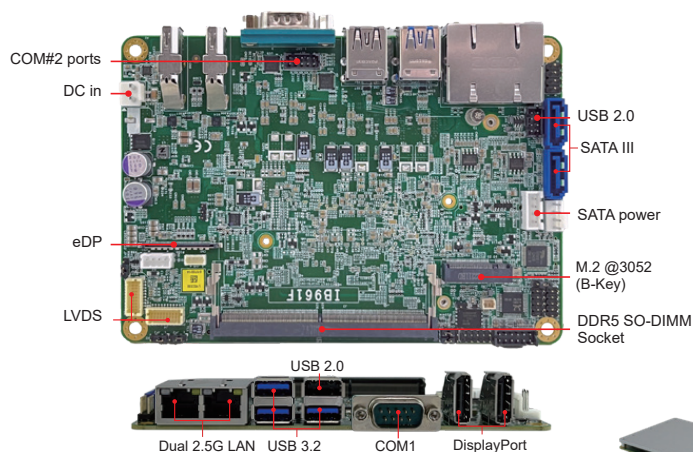


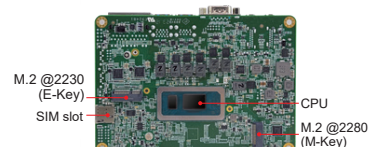
IB961 3.5" Single Board Computer

13th Gen Intel® Core™ i series / Intel® mobile Processor (RPL-P Platform)



IB961 with Heat spreader

IB961 with heatsink



Features



- Onboard 13th Gen Intel® Core™ i7/i5/i3 mobile processors
- 1x DDR5 SO-DIMM, Max. 32GB
- Supports 2x DisplayPort (1.2), LVDS and eDP
- 2x Intel® PCI-E 2.5G LAN
- 3x USB 2.0, 3x USB 3.2, 2x COM, 2x SATA III
- 3x M.2 slots (M-Key + E-Key + B-Key)
- Supports 5G, digital I/O (4-in/4-out), fTPM & watchdog timer
- Supports wide-range operating temperature from -40°C to 75°C (Only IB961AF-I7PRE)

Specifications

CPU	13th Gen Intel® Core™ i7-1370PRE 13th Gen Intel® Core™ i7-1370PE 13th Gen Intel® Core™ i5-1340PE 13th Gen Intel® Core™ i5-1335UE 13th Gen Intel® Core™ i3-1320PE
PCH	N/A
Memory	1x DDR5 5200/4800 SO-DIMM, Max. 32GB
BIOS	AMI
Watchdog Timer	256 levels
H/W Monitor	Yes
Storage Device Interface	M.2 (M2280 for NVMe)
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/LTE)
Graphics Controller	13th Gen Intel® Core™ mobile processor integrated graphics
Video Output	2x DisplayPort (1.2), eDP & LVDS
Ethernet	Intel® I226LM/IT as 1st LAN, I226V/IT as 2nd LAN
I/O Chipset	Fintek F81804U-I on board
Serial Port	2x COM port
USB 2.0	3x USB 2.0 (1x Type-A ; 2 via pin headers)
USB 3.X	3x USB 3.2 (3x Type-A)
Serial ATA	2x SATA III
Audio	13th Gen Intel® Core™ P-Series processor built-in HD audio + ALC888S codec
TPM	fTPM
Others	Digital I/O (4-in/4-out) ; +12V~+24V DC-in
Dimensions (L x W)	102mm x 147mm (4" x 5.8")
Power Consumption	Intel® Core™ i7-1370PE processor, Up to 4.8GHz w/1 x 32G DDR5-4800 memory module +12V: 6.56A
Operating Temperature	0°C~60°C (32°F~140°F) -40°C~75°C (-40°F~167°F) for IB961AF-I7PRE
Storage Temperature	-40°C~80°C (-40°F~176°F)
Relative Humidity	10% ~ 90% (non-condensing)

Ordering Information

IB961AF-I7P	Intel® Core™ i7-1370PE 3.5" SBC w/ I226LM + I226V 2.5G LAN, VGA (2x DisplayPort (1.2) + eDP + LVDS), 2x SATA III, 2x COM, 3x M.2 (M2280/ E2230& B3052), DC in (12V~24V), supports iAMT, fTPM, optional Heatsink, w/o cable kit, (RoHS 2)
IB961AF-I5P	Intel® Core™ i5-1340PE 3.5" SBC w/ I226LM + I226V 2.5G LAN, VGA (2x DisplayPort (1.2) + eDP + LVDS), 2x SATA III, 2x COM, 3x M.2 (M2280/ E2230& B3052), DC in (12V~24V), supports iAMT, fTPM, optional Heatsink, w/o cable kit, (RoHS 2)
IB961F-I3P	Intel® Core™ i3-1320PE 3.5" SBC w/ I226LM + I226V 2.5G LAN, VGA (2x DisplayPort (1.2) + eDP + LVDS), 2x SATA III, 2x COM, 3x M.2 (M2280/ E2230& B3052), DC in (12V~24V), supports fTPM, optional Heatsink, w/o cable kit, (RoHS 2)
IB961AF-I5U	Intel® Core™ i5-1335UE 3.5" SBC w/ I226LM + I226V 2.5G LAN, VGA (2x DisplayPort (1.2) + eDP + LVDS), 2x SATA III, 2x COM, 3x M.2 (M2280/ E2230& B3052), DC in (12V~24V), supports iAMT, fTPM, optional Heatsink, w/o cable kit, (RoHS 2)
IB961AF-I7PRE	Intel® Core™ i7-1370PRE 3.5" SBC w/ I226IT 2.5G LAN, VGA (2x DisplayPort(1.2) + eDP + LVDS), 2x SATA III, 2x COM, 3x M.2 (M2280/ E2230& B3052), DC in (12V~24V), Supports iAMT, fTPM, Optional Heatsink, w/o cable kit, (RoHS 2)
HSIB961-A	Heatsink for IB961
HSIB961-B	Heatsink for IB961AF-I7PRE
HSIB961-1	Heat spreader for IB961
CAB-IB92	IB92 (Cable kits [SATA, PWR, COM1])

Dimensions and Drawing

