



## Features

- Onboard 14th Gen Intel® Core™ Ultra 7/5 100 Series mobile processors
- 2x DDR5 SO-DIMM, Max. 64GB
- Supports HDMI, DP++, LVDS and eDP
- 1x Intel® I226LM 2.5G LAN, 1x Intel® I226V 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), dTPM/ftPM & watchdog timer

## Specifications

CPU	14th Gen Intel® Core™ Ultra 7/5 100 Series processors
PCH	N/A
Memory	2x DDR5 SO-DIMM, Max. 64GB
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 CNV) 1x M.2 (B-Key, Type:3052, supports 5G/LTE)
Graphics Controller	Intel 14th Generation Core series built-in Iris Xe Graphics
Video Output	HDMI, DisplayPort, eDP & LVDS
Ethernet	Intel® I226LM as 1st LAN, I226V as 2nd LAN
I/O Chipset	Fintek F81804U-I on board
Serial Port	2x RS232/422/485
USB 2.0	5x USB 2.0 (1x Type-A ; 4x via pin headers)
USB 3.X	3x USB 3.2 (Type-A)
Serial ATA	2x SATA III
Audio	14th Gen Intel® Core™ Ultra Series processor built-in HD audio + ALC888S codec
TPM	dTPM/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	TBD
Operating Temperature	0°C~60°C (-4°F~140°F)
Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	10% ~ 90% (non-condensing)

## Ordering Information

IB962AF-165H	Intel® Core™ Ultra7-165H 3.5" SBC, w/ I226LM + I226V 2.5G LAN, VGA (HDMI+DisplayPort + eDP + LVDS), 2x SATA III, 2x COM, 3x M.2 (M2280/ E2230& B3052), DC in (12V~24V), supports iAMT, dTPM/ftPM(2.0), optional Heatsink, w/o cable kit, (RoHS 2)
IB962AF-165U	Intel® Core™ Ultra7-165U 3.5" SBC, w/ I226LM + I226V 2.5G LAN, VGA (HDMI+DisplayPort + eDP + LVDS), 2x SATA III, 2x COM, 3x M.2 (M2280/ E2230& B3052), DC in (12V~24V), supports iAMT, dTPM/ftPM(2.0), optional Heatsink, w/o cable kit, (RoHS 2)
HSIB962-A	Heatsink for IB962
HSIB962-1	Heat spreader for IB962

## Dimensions and Drawing

