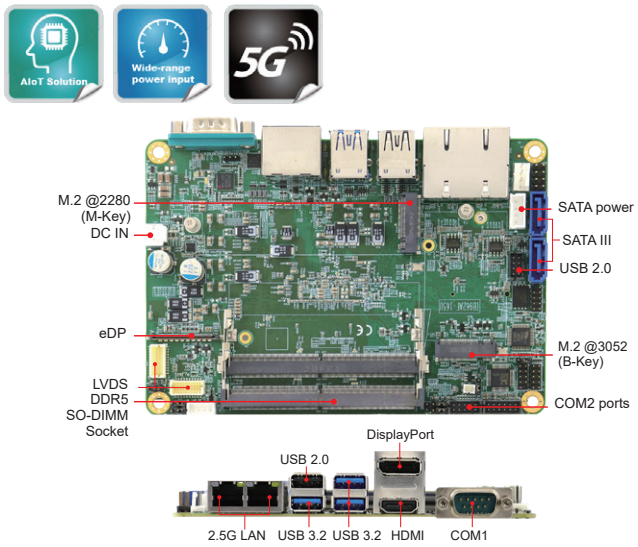
IB962

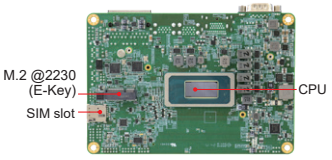
AI Edge Board

3.5" SBC with Intel® Core™ Ultra 7/5 100 Series Mobile Processor



Features

- Onboard Intel® Core™ Ultra 7/5 100 Series Mobile processors
- 2x DDR5 SO-DIMM, Max. 96GB
- Supports HDMI, DP++, LVDS and eDP
- 1x Intel® I226LM 2.5G LAN, 1x Intel® I226V 2.5G LAN
- 3x USB 3.2, 3x USB 2.0, 2x COM, 2x SATA III
- 3x M.2 slots (M-Key + E-Key + B-Key)
- Supports 5G, digital I/O (4-in/4-out), TPM & watchdog timer



IB962 with heatsink

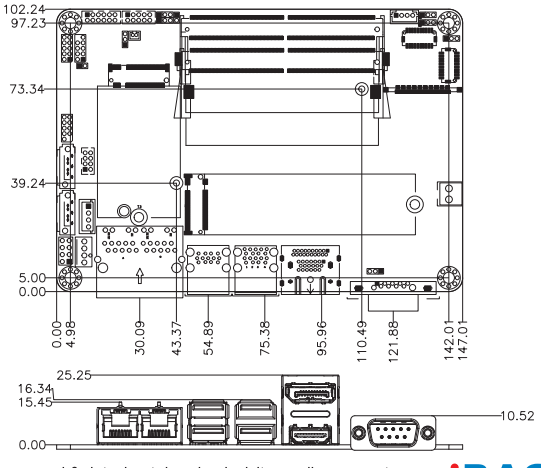
Specifications

Form Factor	3.5 SBC
Dimensions	102mm x 147mm (4 x 5.8)
CPU Socket	N/A
CPU Type	Intel® Core™ Ultra 7/5 100 Series Mobile processors
PCH	N/A
Memory	2x DDR5 SO-DIMM, 5600MT/s, Non-ECC, Max.96GB
BIOS	AMI
Watchdog Timer	256 levels
H/W Monitor	Yes
Storage Device Interface	M.2 (M2280 for NVMe)
Graphics	Intel® Core™ Ultra processor series built-in Iris Xe graphics
Display	HDMI, DisplayPort, eDP & LVDS
Image Capture Interface	36 pTOPS
Video Codec	N/A
I/O Chipset	Fintek F81804U-I on board
External I/O	3x USB 3.2 1x USB 2.0 1x DisplayPort 1x HDMI 1x RS-232/422/485 for COM1 2x 2.5G LAN (Intel® I226LM as 1st LAN, I226V as 2nd LAN) 1x Intel® Core™ Ultra processor built-in HD audio + ALC888S codec
Internal I/O	1x RS-232/422/485 for COM2 2x SATA III 3x M.2 sockets (B-Key/ E-Key and M-Key) 1x eDP 2x LVDS 1x USB 2.0
Expansion IO	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
TPM	Discrete TPM
Others	Digital I/O (4-in/4-out); +12V~+24V DC IN
Power Consumption	Intel® Core™ Ultra 7 165H, Up to 5.0GHz w/2 x 32G DDR5-5600 memory module +12V: 6.83A
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	10% ~ 90% (non-condensing)
OS Support	Windows 10 Linux Ubuntu / Fedora
Certification	CE, FCC Class B

Ordering Information

IB962AF-165H	Intel® Core™ Ultra 7 165H onboard 3.5 SBC, w/ I226LM + I226V 2.5G LAN, VGA (HDMI +DP + eDP + LVDS), 2x SATA III, 2x COM, 3x M.2 (M2280/ E2230/ B3052), supports iAMT & dTPM, DC IN (12V~24V), optional heatsink, cable kit
IB962AF-165U	Intel® Core™ Ultra 7 165U onboard 3.5 SBC, w/ I226LM + I226V 2.5G LAN, VGA (HDMI +DP + eDP + LVDS), 2x SATA III, 2x COM, 3x M.2 (M2280/ E2230/ B3052), supports iAMT & dTPM, DC IN (12V~24V), optional heatsink, cable kit
IB962AF-155U	Intel® Core™ Ultra 7 155U onboard 3.5 SBC, w/ I226LM + I226V 2.5G LAN, VGA (HDMI +DP + eDP + LVDS), 2x SATA III, 2x COM, 3x M.2 (M2280/ E2230/ B3052), supports iAMT & dTPM, DC IN (12V~24V), optional heatsink, cable kit
IB962AF-135H	Intel® Core™ Ultra 5 135H onboard 3.5 SBC, w/ I226LM + I226V 2.5G LAN, VGA (HDMI +DP + eDP + LVDS), 2x SATA III, 2x COM, 3x M.2 (M2280/ E2230/ B3052), supports iAMT & dTPM, DC IN (12V~24V), optional heatsink, cable kit
IB962AF-135U	Intel® Core™ Ultra 5 135U onboard 3.5 SBC, w/ I226LM + I226V 2.5G LAN, VGA(HDMI +DP + eDP + LVDS), 2x SATA III, 2x COM, 3x M.2 (M2280/ E2230/ B3052), supports iAMT & dTPM, DC IN (12V~24V), optional heatsink, cable kit
IB962AF-125U	Intel® Core™ Ultra 5 125U onboard 3.5 SBC, w/ I226LM + I226V 2.5G LAN, VGA (HDMI +DP + eDP + LVDS), 2x SATA III, 2x COM, 3x M.2 (M2280/ E2230/ B3052), supports iAMT & dTPM, DC IN (12V~24V), optional heatsink, cable kit
IB76A	Cable kit w/USB, COM, Power, SATA
HSIB962-B	Heatsink + Cooler for IB962 series
HSIB962-1	Heat Spreader for IB962 series

Dimensions and Drawing



Remarks: 1. Specifications are subject to change without prior notice. 2. ODM/OEM is available. 3. For user's manual & datasheet download, visit www.ibase.com.tw.