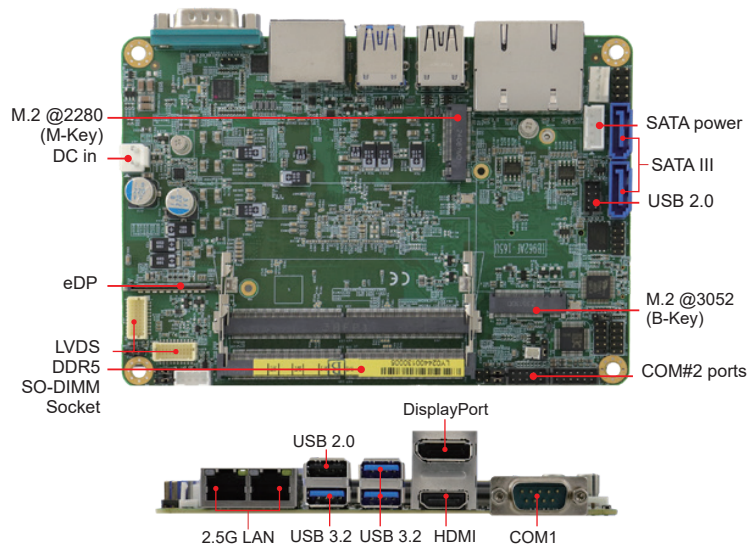
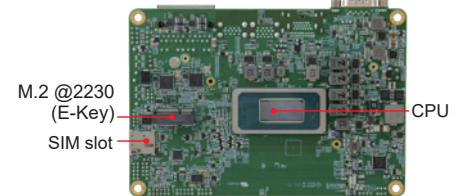




## Features

- Onboard 14th Gen Intel® Core™ Ultra 7/5 100 Series 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 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



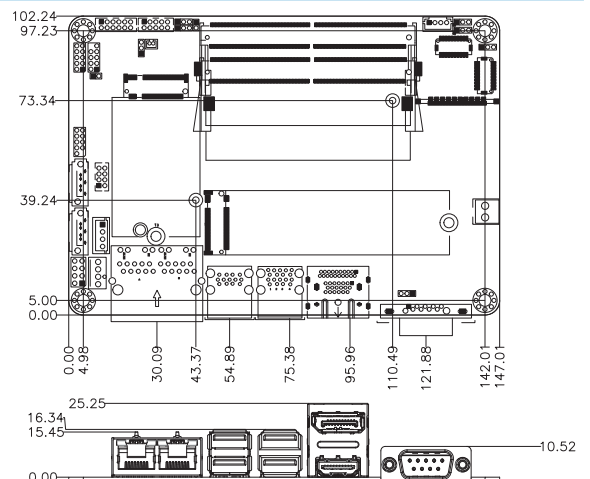
## Specifications

|                          |                                                                                                                                                               |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CPU                      | 14th Gen Intel® Core™ Ultra 7/5 100 Series processors                                                                                                         |
| PCH                      | N/A                                                                                                                                                           |
| Memory                   | 2x DDR5 SO-DIMM, 5600MT/s, Non-ECC, 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)<br>1x M.2 (E-Key, Type:2230, supports CNVi)<br>1x M.2 (B-Key, Type:3052, supports 5G/LTE) |
| Graphics Controller      | 14th Gen Intel® 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                  | 3x 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                      | Discrete TPM                                                                                                                                                  |
| 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-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-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 |
| 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 manual & datasheet download, visit [www.ibt.ca](http://www.ibt.ca)