



Specifications

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| 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 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™ i7-2600 3.4GHz w/ 2x 2GB DDR3-1333 +12V:7.66A |
| Operating Temperature | 0°C~60°C (-4°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) |

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)**

Ordering Information

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| 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 |

Dimensions and Drawing

