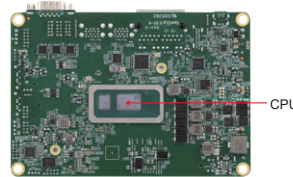


Features

- Onboard Intel® 8th Gen Core™ / Celeron® series processor
- 2x DDR4-2400 SO-DIMM, Max.32GB, Non-ECC
- Support DisplayPort, eDP or 24-bit dual-channel LVDS
- 2x Intel® PCI-E GbE LAN
- Watchdog timer, Digital I/O, TPM (2.0)
- 2x USB 2.0, 4x USB 3.1, 2x SATA III, supports Type C
- 2x M.2 sockets (M/E-Key)



Specifications

| | |
|-------------------|---|
| CPU | Intel® 8th Generation Core™ / Celeron® 4000 series |
| System Memory | DDR4-2400 SO-DIMM, Max. 32GB (Non-ECC) |
| System Chipset | Integrated in 8th Gen Intel® Core™ / Celeron® processor |
| BIOS | AMI |
| Watchdog Timer | 256 levels |
| SSD | N/A |
| H/W Monitor | Yes |
| Expansion Slots | 1x M.2 (M2280, Support NVMe) 1x M.2 (E2230, Support CNV) |
| VGA Controller | Intel® UHD Graphics 620 |
| VGA Memory | Shared Memory |
| Display Interface | USB Type-C DisplayPort eDP or 24-bit dual channel LVDS |
| LAN Controller | Intel® I219LM Gigabit LAN PHY: IB919AF series Intel® I219V Gigabit LAN PHY: IB919EF series Intel® I211AT PCI-E Gigabit LAN (as 2nd LAN) |
| Connector | RJ-45 connectors |
| I/O Chipset | Fintek F81964D-I 1x RS232/422/485 (Jumperless selection) 3x RS232 |
| USB | 4x USB3.1 (Type A) 2x USB2.0 (Pin-header) 1x USB Type C |
| Serial ATA | 2x SATA III |
| Audio | Built-in HD with Realtek ALC269 w/ class-D amplifier |

| | |
|-----------------------|---|
| Others | Digital I/O (4-in/4-out), EuP/ErP, +12V~+24V DC-in (+/-20%) |
| Dimensions | 102mm x 147mm (4" x 5.8") |
| Power | TBD |
| Consumption | TBD |
| Operating Temperature | 0°C~60°C |
| Storage Temperature | -20°C~80°C |
| Relative Humidity | 90% (non-condensing@60°C) |

Ordering Information

| | |
|--------------------------------|--|
| IB919AF-8665 Art. N° 159864 | 3.5" Intel® Core i7-8665UE (1.7GHz/4.4GHz) onboard, w/ I211AT GbE LAN + I219LM GbE LAN, USB Type C (USB 3.1+DP), VGA (DisplayPort + DP or LVDS), 2x SATA III, 4x COM, 2x M.2 (M2280 & E2230), DC-in (9V~24V), Support iAMT 11.0, TPM (2.0), Optional Heatsink, w/o cable kit, (RoHS) |
| IB919AF-8365 Art. N° 159865 | 3.5" Intel® Core i5-8365UE (1.6GHz/4.1GHz) onboard, w/ I211AT GbE LAN + I219LM GbE LAN, USB Type C (USB 3.1+DP), VGA (DisplayPort + DP or LVDS), 2x SATA III, 4x COM, 2x M.2 (M2280 & E2230), DC-in (9V~24V), Support iAMT 11.0, TPM (2.0), Optional Heatsink, w/o cable kit, (RoHS) |
| IB919EF-8145 Art. N° 159859 | 3.5" Intel® Core i3-8145UE (2.2GHz/3.9GHz) onboard, w/ I211AT GbE LAN + I219V GbE LAN, USB Type C (USB 3.1+DP), VGA (DisplayPort + DP or LVDS), 2x SATA III, 4x COM, 2x M.2 (M2280 & E2230), DC-in (9V~24V), EuP/ErP, TPM (2.0), Optional Heatsink, w/o cable kit, (RoHS) |
| IB919EF-4305 Art. N° 159866 | 3.5" Intel® Celeron 4305UE (2.0GHz) onboard, w/ I211AT GbE LAN + I219V GbE LAN, USB Type C (USB 3.1+DP), VGA (DisplayPort + DP or LVDS), 2x SATA III, 4x COM, 2x M.2 (M2280 & E2230), DC-in (9V~24V), EuP/ErP, TPM (2.0), Optional Heatsink, w/o cable kit, (RoHS) |