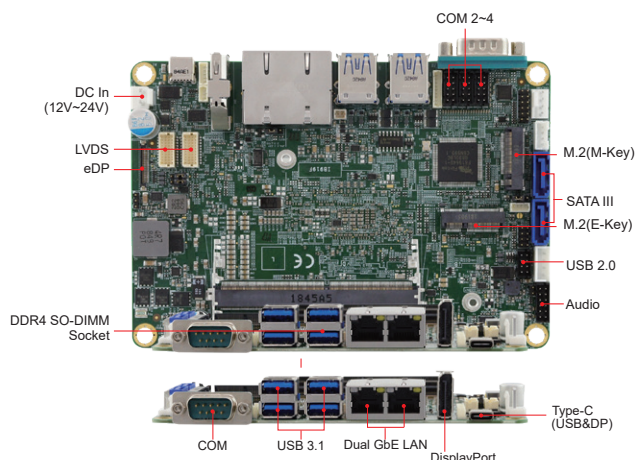
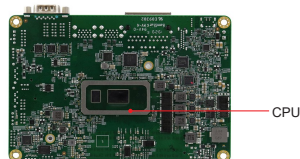




Features

- 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 CNVi)
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	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	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	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	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