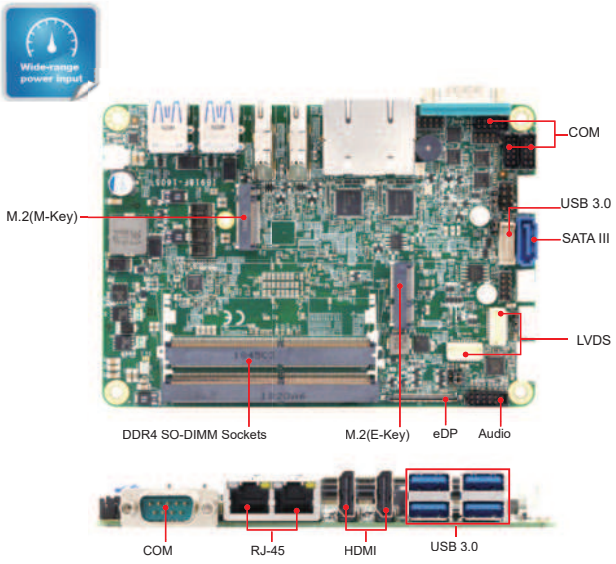
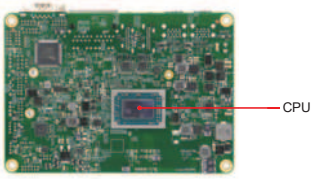
IB918

AMD Ryzen™ Embedded V1000/ R2000/ R1000 Series



Features

- AMD Ryzen™ Embedded V1000/ R2000/ R1000 Series on board
- 2x DDR4 SO-DIMM, Max. 32GB
- 2x PCIe Gigabit LAN
- 2x HDMI, 1x eDP, 1x 24-bit dual-channel LVDS
- 1x USB 2.0, 4x USB 3.1, 1x SATA III, 4x COM
- 2x M.2 sockets (M-Key/ E-Key)





IB918 with heatsink

Specifications

CPU	AMD Ryzen™ Embedded V1000/ R2000/ R1000 series
PCH	N/A
Memory	DDR4-2400 SO-DIMM, Max. 32GB, supports ECC
BIOS	AMI
Watchdog Timer	256 levels
H/W Monitor	Yes
Storage Device Interface	1x M.2 (M-Key) 1x M.2 (E-Key, type: 2230)
Mini Type Slots	1x M.2 (M-Key, type: 2280, NVMe)
Graphics Controller	AMD Raden™ Vega integrated
Video Output	2x HDMI (2.0a), 1x 24-bit dual-channel LVDS & eDP
Ethernet	2x Intel® I211AT or I210AT Gigabit LAN
I/O Chipset	Fintek F81964D-I
Serial Port	1x RS232/422/485 (Jumperless selection) 3x RS232
USB 2.0	1x USB 2.0 on board
USB 3.X	4x USB 3.1 on board
Serial ATA	1x SATA III
Audio	Builit-in audio w/ Realtek ALC269Q-VC3-GR w/ class-D amplifier
TPM	TPM (2.0)
Others	Digital I/O (4-in/ 4-out), EuP/ErP, +12V~+24V DC-in (+/-10%)
Dimensions (L x W)	102mm x 147mm (4" x 5.8")
Power Consumption	AMD Ryzen™ Embedded V1605B 2.00GHz w/ 2x 16GB DDR4-2400 +12V: 2.55A AMD Ryzen™ Embedded R1606G 2.6GHz w/ 2x 16GB DDR4-2400 +12V: 2.34A
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	90% (non-condensing @60°C)

Ordering Information

IB918F-1605	AMD Ryzen™ V1605B QC APU (2.0GHz~3.6GHz) on board 3.5" SBC w/ dual LAN, 2x HDMI, eDP & LVDS (24-bit dual-channel), EuP/ErP, 12V~24V DC-in
HSIB918-C	Heat sink with fan for IB918
IB918F-2514	3.5" AMD Ryzen™ R2514 (2.1GHz/3.7GHz) onboard, w/ I211AT GbE LAN x2 , HDMI(2.0a) x 2 + eDP + LVDS, SATA III x1, COM x4, M.2 x2 (M2280 & E2240), DC-in (12V~24V), EuP/ ErP, TPM (2.0), Optional Heatsink, w/o cable kit, (RoHS2)
IB918F-2314	3.5" AMD Ryzen™ R2314 (2.1GHz/3.5GHz) onboard, w/ I211AT GbE LAN x2 , HDMI(2.0a) x 2 + eDP + LVDS, SATA III x1, COM x4, M.2 x2 (M2280 & E2240), DC-in (12V~24V), EuP/ ErP, TPM (2.0), Optional Heatsink, w/o cable kit, (RoHS2)
IB918F-2312	3.5" AMD Ryzen™ R2312 (2.7GHz/3.5GHz) onboard, w/ I211AT GbE LAN x2 , HDMI(2.0a) x 2 + eDP + LVDS, SATA III x1, COM x4, M.2 x 2 (M2280 & E2240), DC-in (12V~24V), EuP/ ErP, TPM (2.0), Optional Heatsink, w/o cable kit, (RoHS2)

*Specifications are subject to change without prior notice

Dimensions and Drawings

