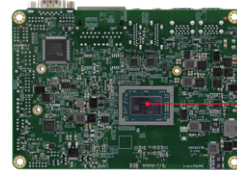


Features

- AMD Ryzen™ Embedded V1000/R1000 Series on board
- 2x DDR4 SO-DIMM, Max. 32GB
- 2x 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/ E key)



IB918 with heatsink

1 Single Board Computers

2 CPU Modules

3 Motherboards

4 CPU Cards

Specifications

CPU	AMD Ryzen™ Embedded V1000/R1000 Series on board
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)
Mini Type Slots	1x M.2 (M-Key, type:2280, NVMe) 1x M.2 (E-Key, type:2230)
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-1
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	Built-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
IB918F-1202	AMD Ryzen™ V1202B DC APU (2.3GHz~3.3GHz) on board 3.5" SBC w/ dual LAN, 2x HDMI, eDP & LVDS (24-bit dual-channel), EuP/ErP, 12V~24V DC-in
IB918F-1606G	AMD Ryzen™ R1606G DC (2.6GHz~3.5GHz) on board 3.5" SBC w/ dual GbE LAN, 2x HDMI (2.0a), eDP, EuP/Erp, 12V~24V DC-in
IB918F-1505G	AMD Ryzen™ R1505G DC (2.4GHz~3.3GHz) on board 3.5" SBC w/ dual GbE LAN, 2x HDMI (2.0a), eDP, EuP/Erp, 12V~24V DC-in
HSIB918-A	Heat sink with fan for IB918
HSIB918-1	Heat spreader for IB918
IB90	Cable kit w/ PW87, PK1H, SATA-53A, USB-168 for V1000 series
IB91	Cable kit w/ PW87, PK1H, SATA-53A, USB-172 for R1000 series

Dimensions and Drawing

