



## 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 LVDS dual-channel
- 1x USB 2.0, 4x USB 3.1, 1x SATA III, 4x COM
- 2x M.2 sockets (M/ E key)



IB918 with heatsink

## 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)<br>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 (Jumper-less selection)<br>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<br>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

