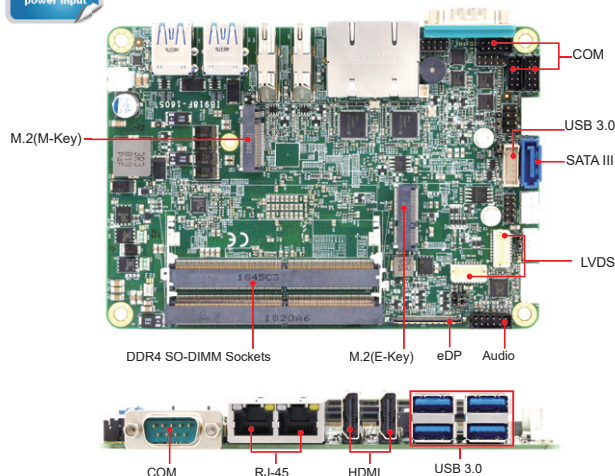
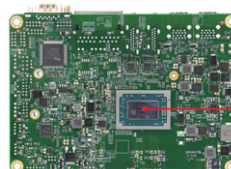




## Features

- 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)



CPU



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)                                                                                                                                        |
| Mini Type Slots          | 1x M.2 (M-Key, type: 2280, NVMe)<br>1x M.2 (E-Key, type: 2230)                                                                                        |
| Graphics Controller      | AMD Radeon™ 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)<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<br>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<br>w/ 2x 16GB DDR4-2400<br>+12V: 2.55A<br>AMD Ryzen™ Embedded R1606G 2.6GHz<br>w/ 2x 16GB DDR4-2400<br>+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 x2 (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

