



### Specifications

|                          |                                                                                                                                                                                          |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System Mainboard         | ARS200-MB                                                                                                                                                                                |
| CPU Type                 | 14th/13th Gen Intel® Core™ U-series Processor                                                                                                                                            |
| System Speed             | Up to 4.6GHz                                                                                                                                                                             |
| Memory                   | 1x DDR5-5600 SO-DIMM, Max. 32GB                                                                                                                                                          |
| Front Panel External I/O | 4x Antenna hole for WLAN/4G/5G module                                                                                                                                                    |
| Rear Panel External I/O  | 2x HDMI (C3 connector)<br>2x 2.5 Gigabit LAN (M12 connector)<br>2x RS232 (M12 connector)<br>2x USB 3.2 (M12 connector)<br>1x DC-Power (M12 connector)<br>1x CAN bus<br>1x DIO 8-in/8-out |
| Expansion Slots          | 1x M.2 2042 E-key<br>1x M.2 3052 B-key<br>1x NANO SIM slot                                                                                                                               |
| Storage                  | 1x M.2 2280 M-key (SATA & PCI-E)                                                                                                                                                         |
| Construction             | Aluminum and steel                                                                                                                                                                       |
| Chassis Color            | Silver and Black                                                                                                                                                                         |
| Mounting Type            | Desktop or wall mounting (wall mounting kit included)<br>Side mounting                                                                                                                   |
| Dimensions               | 319mm (W) x 230mm (D) x 94mm (H)<br>12.56" (W) x 9.06" (D) x 3.70" (H)                                                                                                                   |
| Weight                   | 4.25kg (approx)                                                                                                                                                                          |
| Operating Temperature    | -20°C ~ 70°C (14°F ~ 158°F) *with airflow<br>-10°C ~ 60°C (14°F ~ 140°F) without airflow                                                                                                 |
| Storage Temperature      | -20°C ~ 80°C (-4°F to 176°F)                                                                                                                                                             |
| Relative Humidity        | 5~90% @ 45°C, (non-condensing)                                                                                                                                                           |
| Vibration                | Non-Operating: 1.0 grms / 5~500Hz / random operation<br>Operating: 0.25 grms / 5~500Hz / random operation                                                                                |
| Shock                    | Operating: 20 g / 11 ms<br>Non-operating: 40 g / 11 ms                                                                                                                                   |
| Certification            | CE / LVD / FCC Class B (TBD)                                                                                                                                                             |

### Features

- +12V~+24V DC wide-range power input
- Fanless system with for IBASE ARS200 proprietary board
- 14th/13th Gen Intel® Core™ U-series Processor
- Front Panel flexible I/O via M12 connector
- 2x COM, 2x USB, 2x 2.5G LAN, 2x HDMI, 2x DisplayPort
- 1x M.2 B-key 3052, supports 5G/4G/LTE module
- 1x M.2 E-key 2230, supports WiFi/BT
- Over/Under/Reverse voltage protection
- Supports wall mounting & TPM 2.0
- Wide-range operating temperature from -20°C to 70°C
- Waterproof, fanless design with IP65 rating

### Ordering Information

|                               |                                                                                                                                                                                                            |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ARS200                        | <b>ARS200-1:</b> 2x HDMI; 2x USB; 1x G-Lan; 1x RS232; 1x DC-IN<br><b>ARS200-2:</b> 1x HDMI; 1x USB; 2x G-Lan; 1x RS232; 1x DC-IN<br><b>ARS200-3:</b> 1x HDMI; 2x USB; 1x G-Lan; 1x RS232; 1x DC-IN; 1x DIO |
| 180W power adaptor (optional) | 180W (24V @7.5A) power adaptor, bare wire type                                                                                                                                                             |
| Optional Accessories          | WiFi / Bluetooth antenna kit<br>LTE / 5G antenna kit                                                                                                                                                       |

### Dimensions and Drawing

