



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) 2x 2.5 Gigabit LAN (M12 connector) 2x RS232 (M12 connector) 2x USB 3.2 (M12 connector) 1x DC-Power (M12 connector) 1x CAN bus 1x DIO 8-in/8-out
Expansion Slots	1x M.2 2042 E-key 1x M.2 3052 B-key 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) Side mounting
Dimensions	319mm (W) x 230mm (D) x 94mm (H) 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 -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 Operating: 0.25 grms / 5~500Hz / random operation
Shock	Operating: 20 g / 11 ms 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	ARS200-1: 2x HDMI; 2x USB; 1x G-Lan; 1x RS232; 1x DC-IN ARS200-2: 1x HDMI; 1x USB; 2x G-Lan; 1x RS232; 1x DC-IN ARS200-3: 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 LTE / 5G antenna kit

Dimensions and Drawing

