



Rear I/O

Specifications

System Mainboard	MBE104T-7211-1
CPU Type	Intel® Atom™ x7211RE (2-Core, 1.0/2.9GHz, 2MB cache, TDP=6W)
System Speed	Up to 2.9GHz
Memory	1x DDR5-4800 SO-DIMM, Max. 16GB
Rear Panel External I/O	1x DisplayPort + 1x HDMI 3x USB 3.2 ports, 1x USB 3.2(Type-C) 2x RJ45 2.5G Ethernet port 3x LED indicators (HDD, WLAN, WWAN) 1x power button with Green LED 1x 3-pin DC-in terminal block for 9V-36V 1x Antenna hole
Left Panel External I/O	2x RS232/422/485 ports for COM#1/COM#2 1x Antenna hole 1x Line-out/ Mic-in
Right Panel External I/O	Dual SIM card slots with cover 1x Antenna hole
Expansion Slots	1x Full-size Mini PCI-E socket (SATA) 1x 2230 M.2 E-Key socket (USB 2.0 + PCI-E) 1x 3052 M.2 B-Key socket (USB 3.2 + PCI-E + SATA)
Storage	1x Mini PCI-E socket mSATA SSD 1x M.2 B-Key for SATA SSD
Construction	Aluminum + SGCC
Chassis Color	Silver & Gray
Mounting	Desktop & wall mounting & DIN-rail mounting
Dimensions	160mm(W) x 110mm(D) x 44mm(H) 6.3"(W) x 4.33"(D) x 1.73"(H)
Weight	1.0 kg
Operating Temperature	-40°C~70°C (-40°F~158°F)
Storage Temperature	-40°C~80°C (-40°F~176°F)
Relative Humidity	5%~90%@45°C (non-condensing)
Vibration	Operating: 2Grms / 5~500Hz Non-operating: 1Grms / 5~500Hz
Shock	Operating: 30G/11 ms Duration Non-operating: 40G/11 ms Duration
Certification	CE/ FCC Class B/ LVD
Operating Systems	Windows 11 LTSC and Linux Ubuntu

Features

- Fanless system with iBASE MBE104T-1 proprietary board
- Intel® Atom® x7211RE Processors
- HDMI & DisplayPort, USB Type-C(For DP & USB 3.2)
- M.2 B-Key 3052 supports (5G/4G/LTE) module,
- M.2 E-Key 2230 supports WiFi/BT
- Full-size Mini PCI-E for mSATA
- 2x 2.5G LAN port, 3x USB 3.2, 2x COM (RS232/422/485)
- 9V~36V DC wide-range power input, Support Over/Under/Reverse voltage protection
- Supports wide-range operating temperature from -40°C to 70°C
- Supports wall mount & fTPM 2.0
- Supports Windows 11 LTSC

Ordering Information

AGS104L-7211-8G	Fanless System supports fTPM2.0 w/ Intel® Atom™ Processor x7211RE, 2x 2.5G Ethernet, 2x COM, w/ industrial-grade 8GB DDR5 memory + 128GB mSATA SSD, optional 12V/60W power adaptor and Din-rail bracket (RoHS2)
AGS104L-7211M	Fanless System supports fTPM2.0 w/ Intel® Atom™ Processor x7211RE, 2x 2.5G Ethernet, 2x COM, w/o memory, storage, optional 12V/60W power adaptor and Din-rail bracket (RoHS2)
60W power adaptor (optional)	60W (12V@5A) power adaptor, bare wire type Compatible with IEC62368-1/EN62368-1
Optional Accessories	WiFi/BT antenna kit, 5G/4G/LTE antenna kit, Din-rail bracket

Dimensions and Drawing

