AGS105T

IoT Gateway Edge Computing System
Intel® Atom® x7433RE/x7211RE Processors

Features

- Intel® Atom® x7433RE/x7211RE Processors
- Isolated GPIO 4-in/4-out. NPN & PNP (optional)
- Over/Under/Reverse voltage protection
- 3x 2.5G Ethernet ports, HDMI & 2x DisplayPort (DP++)
- 4x COM (RS232/422/485), 2x USB 3.2 ports
- 9V~36V DC wide-range power input
- Wide-range operating temperature from -40°C to 70°C
- Supports DIN-rail and wall mount & TPM 2.0

Specifications

System Mainboard	MBE105
CPU Type	Intel® Atom® x7433RE (4-Core, 1.5GHz/2.7GHz, 2MB cache, 9W TDP) Intel® Atom® x7211RE (2-Core, 1.0GHz/2.9GHz, 2MB cache, 6W TDP)
System Speed	Up to 2.9 GHz
Memory	1x DDR5-4800 SO-DIMM, Max. 16GB
Front Panel External I/O	2x RS232/422/485 ports for COM#1/COM#2 1x Antenna hole for WLAN module 1x Line-out/ Mic-in 2x SIM card slots with cover 1x Antenna hole for WLAN module
Rear Panel External I/O	1x DisplayPort + 1x HDMI 2x USB 3.2 ports, 1x USB 2.0 port 3x RJ45 2.5G Ethernet ports 3x LED indicators (GPIO, WLAN, WWAN) 1x power button with Green LED 1x 3-pin DC-in terminal block for 9V-36V 2x Antenna hole for WLAN module 2x RS232/422/485 ports for COM#3/COM#4 1x 4-in & 4-out GPIO with isolation 1x 3-pin terminal block for 9V~36V power input
Expansion Slots	1x Mini PCIe full-size socket for CAN FD module (PCIe + USB 2.0 + SATA) 1x M.2 2230 E-key socket for WLAN & BT (PCIe + USB 2.0 + SMBus) 1x M.2 3042/52 B-key socket for WWAN (4G/5G) (PCIe + USB3.2 Gen.1 + SATA)
Storage	1x M.2 B-key for SATA SSD 1x Mini PCIe socket mSATA SSD (optional)
Construction	Aluminum & steel
Chassis Color	Silver & Gray
Mounting Type	DIN-rail mounting (DIN-rail mount kit included) Desktop or wall mount (wall mount kit included)
Dimensions	160mm(W) x 110mm(D) x 44mm(H) 6.3"(W) x 4.33"(D) x 1.73"(H)
Weight	1.2 kg
Operating Temperature	-40°C~70°C (-40°F~158°F)
Storage Temperature	-40°C ~ 85°C (-40°F~185°F)
Relative Humidity	5~90% @ 60°C, (non-condensing)

Vibration	Operating: 1.0 grms / 5~500Hz
Shock	Operating: 30G/11 ms Duration Non-operating: 40G/11 ms Duration
Certification	CE (EN 62368 / EN55032 / EN55035) & LVD FCC Class A

Ordering Information

AGS105-7433	Fanless DIN-rail System supporting TPM2.0 w/ Intel® Atom™ Processor x7433RE, 3x 2.5G Ethernet, 4x COM, with industrial-grade 8GB DDR5 memory + 128GB mSATA SSD, w/o power adaptor, w/ wall mount & DIN-rail mounting brackets (RoHS2)
AGS105-7211	Fanless DIN-rail System supporting TPM2.0 w/ Intel® Atom™ Processor x7211RE, 3x 2.5G Ethernet, 4x COM, with industrial-grade 8GB DDR5 memory + 128GB mSATA SSD, w/o power adaptor, w/ wall mount & DIN-rail mounting brackets (RoHS2)