AGS101T

IoT Gateway Edge Computing System
Intel® Atom® x6212RE/x6414RE Processors





Features

- Intel® Atom® x6212RE/x6414RE Processors
- 1x DVI-I & 1x HDMI
- Over/Under/Reverse voltage protection
- Wide-range operating temperature from -20°C to 70°C
- 9V~36V DC wide-range power input
- 1x M.2 B-key 3052 ports supports 5G module
- 3x 2.5G Ethernet ports
- 2x RS232/422/485, 2x full-size Mini PCIe, 2x USB3.1, 2x USB 2.0, 1x 2.5" SSD
- Supports DIN-rail mount, wall mount & TPM 2.0

Specifications

System Mainboard	IB803T
CPU Type	Intel® Atom® x6414RE (1.5GHz, 1.5MB cache, 9W TDP) Intel® Atom® x6212RE (1.2GHz, 1.5MB cache, 6W TDP)
System Speed	Up to 1.5GHz
Memory	1x DDR4 SO-DIMM, Max. 16GB
Rear Panel External I/O	1x DVI-1 & 1x HDMI 2x USB 3.1 ports, 2x USB 2.0 port 3x RJ45 2.5G Ethernet port 4x LED indicators (HDD, WLAN, WWAN) 1x power button with Green LED 1x 3-pin DC-in terminal block for 9V-36V 2x Antenna hole for WLAN module
Left Panel External I/O	2x RS232/422/485 ports for COM#1/COM#2 1x Antenna hole for WLAN module 1x Line-out
Right Panel External I/O	2x SIM card slot 1x Antenna hole for WLAN module
Expansion Slots	1x full-size Mini-PCIe socket (USB 2.0) (SIM2) 1x full-size Mini-PCIe socket (USB 2.0, PCIe & SATA) 1x M.2 B3052 socket with USB 3.0 & PCIe for 4G/5G module(SIM1)
Storage	1x mSATA socket (Mini-PCIe) 1x 2.5" SSD
Construction	Aluminum & steel
Chassis Color	Silver & Gray
Mounting	DIN-rail mounting (DIN-rail mount kit included) Desktop or wall mount (wall mount kit included)
Dimensions	218mm(W) x 110mm(D) x 52mm (H) w/ wall mount kit 8.58"(W) x 4.33mm(D) x 2.05mm (H)
Weight	1.05 kg
Operating Temperature	-20°C~70°C (-4°F~158°F)
Storage Temperature	-40°C ~ 85°C (-40°F~185°F)
Relative Humidity	5~90% @ 60°C, (non-condensing)
Vibration	Operatiing: 1 Grms/ 3~500 Hz / random operation (with IEC 60068-2-64)
Shock	Operating: 30G/11 ms Duration Non-operating: 40G/11 ms Duration
Certification	CE / LVD / FCC Class B

Ordering Information

AGS101T-6414RM	Fanless DIN-rail System supports TPM2.0 w/ Intel® Atom® Processor x6414RE, 3x 2.5G Ethernet port, 2x COM, w/o memory, storage, power adaptor
AGS101T-6212RM	Fanless DIN-rail System supports TPM2.0 w/ Intel® Atom® Processor x6212RE, 3x 2.5G Ethernet port, 2x COM, w/o memory, storage, power adaptor
90W power adaptor (optional)	90W (24V@3.75A) power adaptor, bare wire type compatible with IEC62368-1/EN62368-1

Dimensions and Drawing

