



Rear I/O



Azure  
Certified  
Device



## Features

- Intel® Atom® x6414RE/x6212RE Processors (formerly Elkhart Lake)
- GPIO 4-in/4-out & 1x DVI-I & 1x HDMI
- Over/Under/Reverse voltage protection
- Extended operating temperature from -20°C to 70°C
- 9V~36V DC wide-range power input
- 1x M.2 B-Key 3052 support 5G module
- Optional 1x 2.5" SSD (AGS103TS)
- 3x 2.5G Ethernet ports
- 2x full-size Mini PCI-E
- 4x COM (RS232/422/485), 2x USB 3.1 & 2x USB 2.0
- 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)<br>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-I + 1x HDMI<br>2x USB 3.1 ports, 2x USB 2.0 port<br>3x RJ45 2.5G Ethernet port<br>4x LED indicators (GPIO, WLAN, WWAN)<br>1x power button with Green LED<br>1x 3-pin DC-in terminal block for 9V-36V<br>2x Antenna hole for WLAN module<br>2x RS232/422/485 ports for COM#3/COM#4<br>1x 4-in & 4-out GPIO |
| Left Panel External I/O  | 2x RS232/422/485 ports for COM#1/COM#2<br>1x Antenna hole for WLAN module<br>1x Line-out/ Mic-in                                                                                                                                                                                                                 |
| Right Panel External I/O | 2x SIM card slot<br>1x Antenna hole for WLAN module                                                                                                                                                                                                                                                              |
| Expansion Slots          | 1x Full-size Mini PCI-E socket (USB 2.0)<br>1x Full-size Mini PCI-E socket (USB 2.0 + SATA)<br>1x M.2 B-Key socket (USB 3.0 + PCI-E)                                                                                                                                                                             |
| Storage                  | 1x Mini PCI-E slot (mSATA SSD), 1x 2.5" SSD (AGS103TS)                                                                                                                                                                                                                                                           |
| Construction             | Aluminum & steel                                                                                                                                                                                                                                                                                                 |
| Chassis Color            | Silver & Gray                                                                                                                                                                                                                                                                                                    |
| Mounting                 | DIN-rail mounting (DIN-rail mount kit included)<br>Desktop or wall mounting (wall mount kit included)                                                                                                                                                                                                            |
| Dimensions               | AGS103T :<br>218mm(W) x 110mm(D) x 52mm (H) w/ Wall-mount kit<br>8.58"(W) x 4.33mm(D) x 2.05mm (H)<br>AGS103TS :<br>218mm(W) x 110mm(D) x 73mm (H) w/ Wall-mount kit<br>8.58"(W) x 4.33mm(D) x 2.87mm (H)                                                                                                        |
| Weight                   | 1.2kg                                                                                                                                                                                                                                                                                                            |
| 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                | Operating: 2.0 Grms / 5~500Hz / random operation<br>(with IEC 60068-2-64)                                                                                                                                                                                                                                        |
| Shock                    | Operating: 30G/11 ms Duration<br>Non-operating: 40G/11 ms Duration                                                                                                                                                                                                                                               |
| Certification            | CE/ FCC/ LVD                                                                                                                                                                                                                                                                                                     |
| Operating Systems        | Win10 and Linux Ubuntu                                                                                                                                                                                                                                                                                           |

## Ordering Information

|                 |                                                                                                                                                                    |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AGS103T-6414RM  | Fanless DIN-rail System supports TPM2.0 w/ Intel® Atom® Processor x6414RE, 3x 2.5G Ethernet port, 4x COM, w/o memory, storage, power adaptor                       |
| AGS103TS-6414RM | Fanless DIN-rail System supports TPM2.0 w/ Intel® Atom® Processor x6414RE, 3x 2.5G Ethernet port, 4x COM, w/o memory, storage, power adaptor, w/ 2.5" storage slot |
| AGS103T-6212RM  | Fanless DIN-rail System supports TPM2.0 w/ Intel® Atom® Processor x6212RE, 3x 2.5G Ethernet port, 4x COM, w/o memory, storage, power adaptor                       |
| AGS103TS-6212RM | Fanless DIN-rail System supports TPM2.0 w/ Intel® Atom® Processor x6212RE, 3x 2.5G Ethernet port, 4x COM, w/o memory, storage, power adaptor, w/ 2.5" storage slot |

## Product View

AGS103T

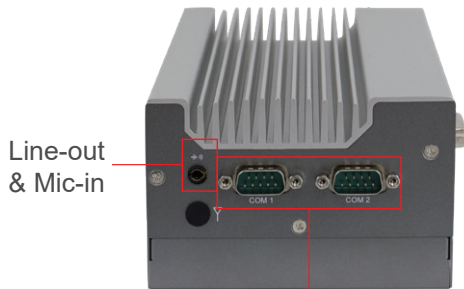


SIM Card Slot

AGS103TS

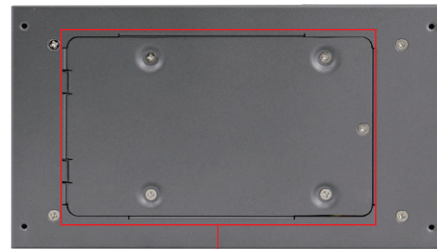


2.5" Storage Slot



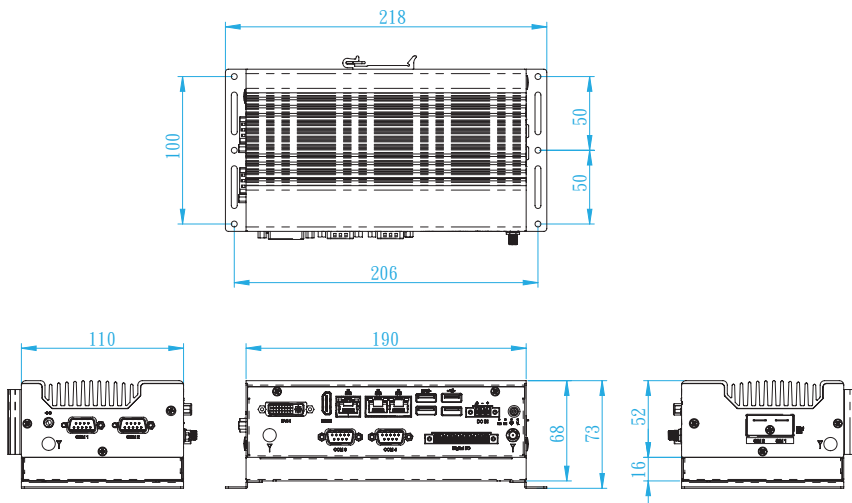
Line-out  
& Mic-in

COM1 & COM2



Easily Accessible Storage Device

## Dimensions and Drawing



## DIN-rail Mounting

