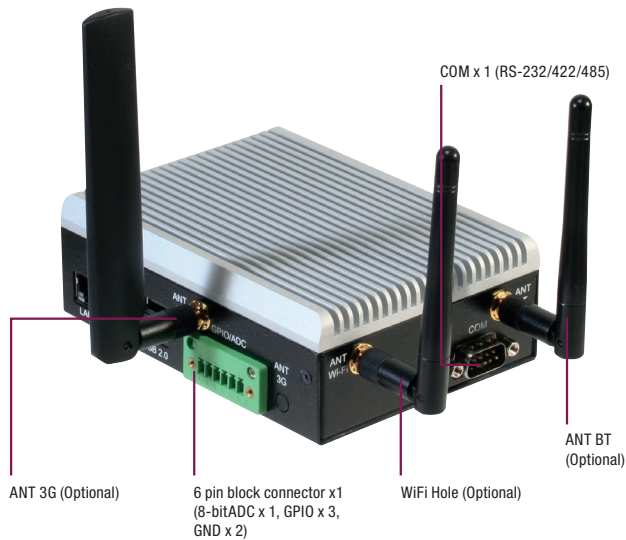


Industrial Automation IoT Gateway

Front View



Rear View



Features

- Intel® Atom™ x5-Z8350 SoC
- Onboard 2GB DDR3L Memory, 32GB eMMC Storage
- Gigabit LAN x 1, HDMI x 1
- USB 2.0 x 4, USB 3.0 OTG x 1, COM x 2 (RS-232/422/485 x 2)
- Optional Wi-Fi, Bluetooth, and 3G or 4G LTE for Connectivity

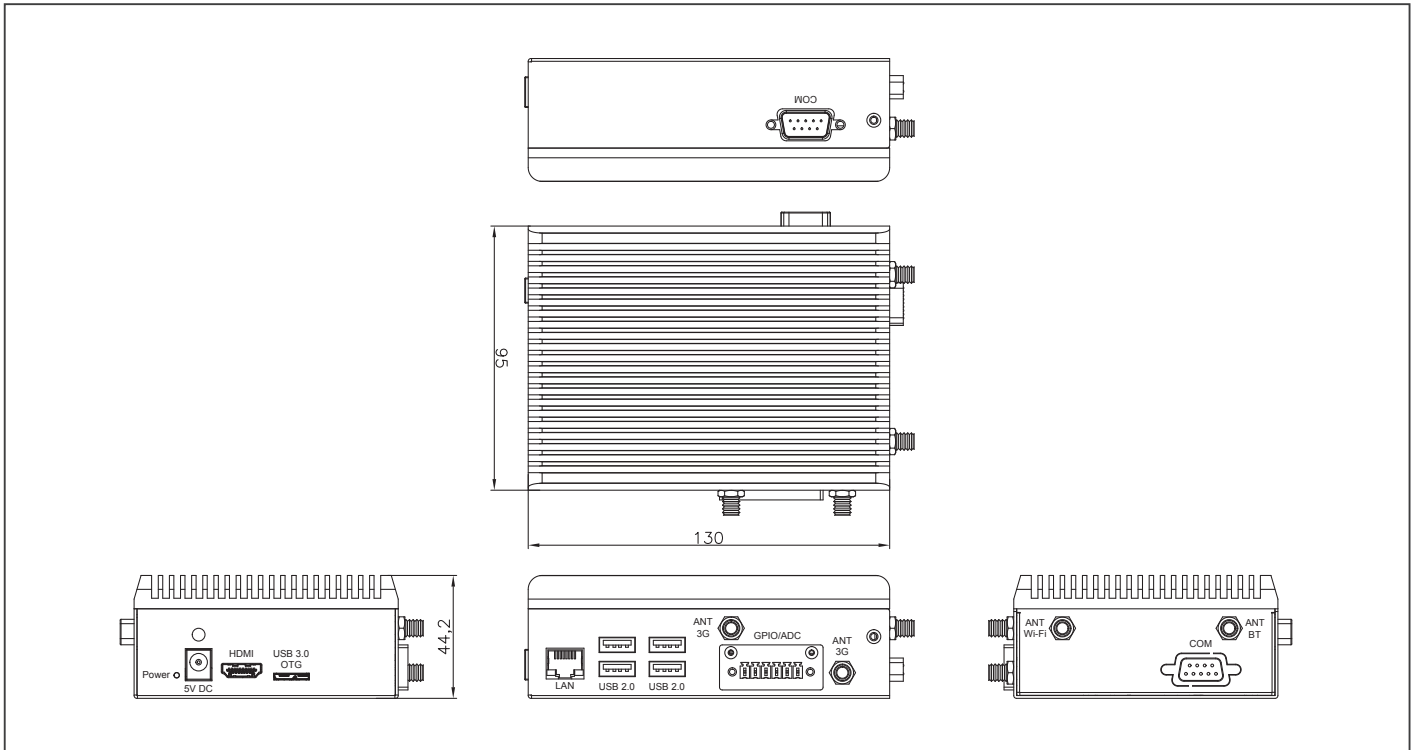


Specifications

SYSTEM	
CPU	Intel® Atom™ x5-z8350 SoC
CHIPSET	Intel® System on Chip
MEMORY	Onboard 2GB DDR3L-1600 memory
STORAGE	32GB eMMC on board
DISPLAY	HDMI
ETHERNET	8111G x 1
USB	USB 2.0 x 4 USB 3.0 OTG x 1
COM	RS-232/422/485 x 2
DIGITAL I/O	6 pin block connector x 1 (8-bit ADC x 1, GPIO x 3, GND x 2)
EXPANSION SLOT	USB interface for WiFi Module x 1 (IEEE 802.11a/b/g/n/ac) USB interface for Bluetooth module x 1 (Bluetooth 4.0) Mini PCIe slot for 3G or 4G LTE module x 1 (USB interface) Micro SIM Socket x 1
INDICATOR	—
WI-FI	IEEE 802.11 a/b/g/n/ac (Optional)
BLUETOOTH	BT4.0 (Optional)
LORA	—
PoE	—
OS SUPPORT	Microsoft Windows 10 IOT, Ubuntu 16.04, Android 6.0
I/O PLACEMENTS	
FRONT I/O	DC connector x 1 Antenna hole x 1 HDMI Connector x 1 USB 3.0 OTG x 1 Power button x 1
REAR I/O	COM x 1 (RS-232/422/485 x 1) Antenna hole x 2
Right side I/O	RJ45 Connector x 1 USB 2.0 Stack Connector x 2 Antenna hole x 2 6 pin block connector x 1 (8-bit ADC x 1, GPIO x 3, GND x 2)
Left side I/O	COM x 1 (RS-232/422/485 x 1)
POWER	
POWER REQUIREMENT	5V DC in
MECHANICAL	
IP	—
DIMENSION	5.12" x 3.74" x 1.74" (130mm x 95mm x 44.2mm)
MOUNTING	VESA mount, DinRail (Optional)
GROSS WEIGHT	7.8lb (3.5kg)
NET WEIGHT	5.6lb (2.5kg)
ENVIRONMENT	
Operating Temperature	0°C ~ 50°C
STORAGE TEMPERATURE	-4°F ~ 158°F (-20°C ~ 70°C)
STORAGE HUMIDITY	0% ~ 90% relative humidity, non-condensing
ANTI-VIBRATION	3 Grms /5 ~500Hz/Operation
CERTIFICATION	CE, FCC Class A

Dimension

Unit: mm



Ordering Information

PART NUMBER	CPU	RAM	STORAGE	LAN	USB	COM	DIGITAL I/O	DISPLAY	WIFI/BT	LoRa	MOUNTING	PoE	POWER	OPERATION TEMP.
AIOT-IGWS01-A20-CA40232	Intel® Atom™ x5-z8350 SoC	2GB	32GB	1	USB2.0 x 4 USB 3.0 OTG x 1	RS-232 x 2	6 pin block connector x 1 (8-bit ADC x 1, GPIO x 3, GND x 2)	HDMI x 1	—	—	—	—	5V DC In	32°F ~ 122°F 0°C ~ 50°C
AIOT-IGWS01-A20-CA41232	Intel® Atom™ x5-z8350 SoC	2GB	32GB	1	USB2.0 x 4 USB 3.0 OTG x 1	RS-232 x 2	6 pin block connector x 1 (8-bit ADC x 1, GPIO x 3, GND x 2)	HDMI x 1	—	—	VESA Mount	—	5V DC In	32°F ~ 122°F 0°C ~ 50°C
AIOT-IGWS01-A30-CA40232	Intel® Atom™ x5-z8350 SoC	2GB	32GB	1	USB2.0 x 4 USB 3.0 OTG x 1	RS-485x 2	6 pin block connector x 1 (8-bit ADC x 1, GPIO x 3, GND x 2)	HDMI x 1	—	—	—	—	5V DC In	32°F ~ 122°F 0°C ~ 50°C
AIOT-IGWS01-A30-CA41232	Intel® Atom™ x5-z8350 SoC	2GB	32GB	1	USB2.0 x 4 USB 3.0 OTG x 1	RS-485x 2	6 pin block connector x 1 (8-bit ADC x 1, GPIO x 3, GND x 2)	HDMI x 1	—	—	VESA Mount	—	5V DC In	32°F ~ 122°F 0°C ~ 50°C
AIOT-IGWS01-A40-CA40232	Intel® Atom™ x5-z8350 SoC	2GB	32GB	1	USB2.0 x 4 USB 3.0 OTG x 1	RS-422x 2	6 pin block connector x 1 (8-bit ADC x 1, GPIO x 3, GND x 2)	HDMI x 1	—	—	—	—	5V DC In	32°F ~ 122°F 0°C ~ 50°C
AIOT-IGWS01-A40-CA41232	Intel® Atom™ x5-z8350 SoC	2GB	32GB	1	USB2.0 x 4 USB 3.0 OTG x 1	RS-422x 2	6 pin block connector x 1 (8-bit ADC x 1, GPIO x 3, GND x 2)	HDMI x 1	—	—	VESA Mount	—	5V DC In	32°F ~ 122°F 0°C ~ 50°C

Packing List

- AIOT-IGWS01

Optional Accessories

- **1255300203**
Power Adapter, AC/DC, 100-240VAC, 20W, 5V DC/4A
- **UP-BTKIT-A20-0001**
BT Kit with Bluetooth Module, A01
- **UP-WIFIMD-A20-5001**
WIFI Kit with 5M02 Module, A01
- **9741911300 (For Ubuntu 16.04, kernel version : 4.10)**
Wireless LAN Kit.802.11 a/b/g/n+BT 4.0 + Zigbee.(Redpine RS9113).W/cable & antenna
- **9741UC20G0**
3G Module Kit with UC20-G
- **9741EC25A0**
4G LTE Module kit with EC25-A for AT&T
- **9741EC25V0**
4G LTE Module Kit with EC25-V for Verizon
- **9741EC25E0**
4G LTE Module Kit with EC25-E for Europe & Asia