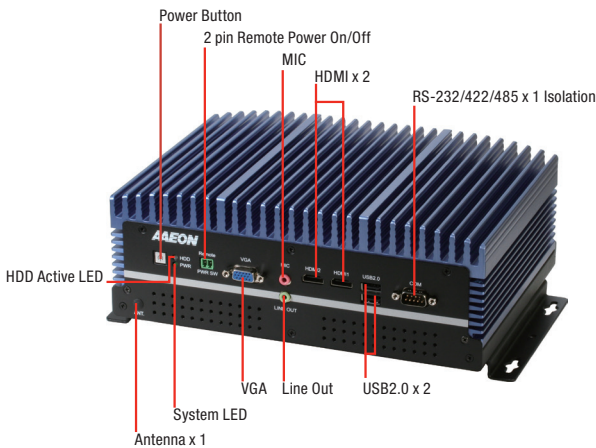
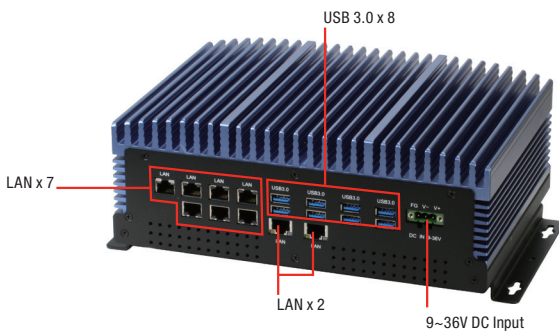


Fanless Embedded Box PC with 6th/7th Generation Intel® Core™ Desktop Processor and Multi GbE LAN & USB3.0

Front View



Rear View



Features

- Extreme Computing Power & Graphic Display Capability
- Desktop Grade Socket Type Processor with Longevity Support
- Supports DDR4 1866/2133 SODIMM, Up to 32GB
- VGA + HDMI x 2 Triple Display, HDMI 4K Display
- USB 3.0 x 8, USB 2.0 x 2
- Industrial-grade Intel® GbE LAN x 9
- Isolated RS-232/422/485 x 1
- Compact Size and Easy Access Design
- Wide Range DC 9~36V Input

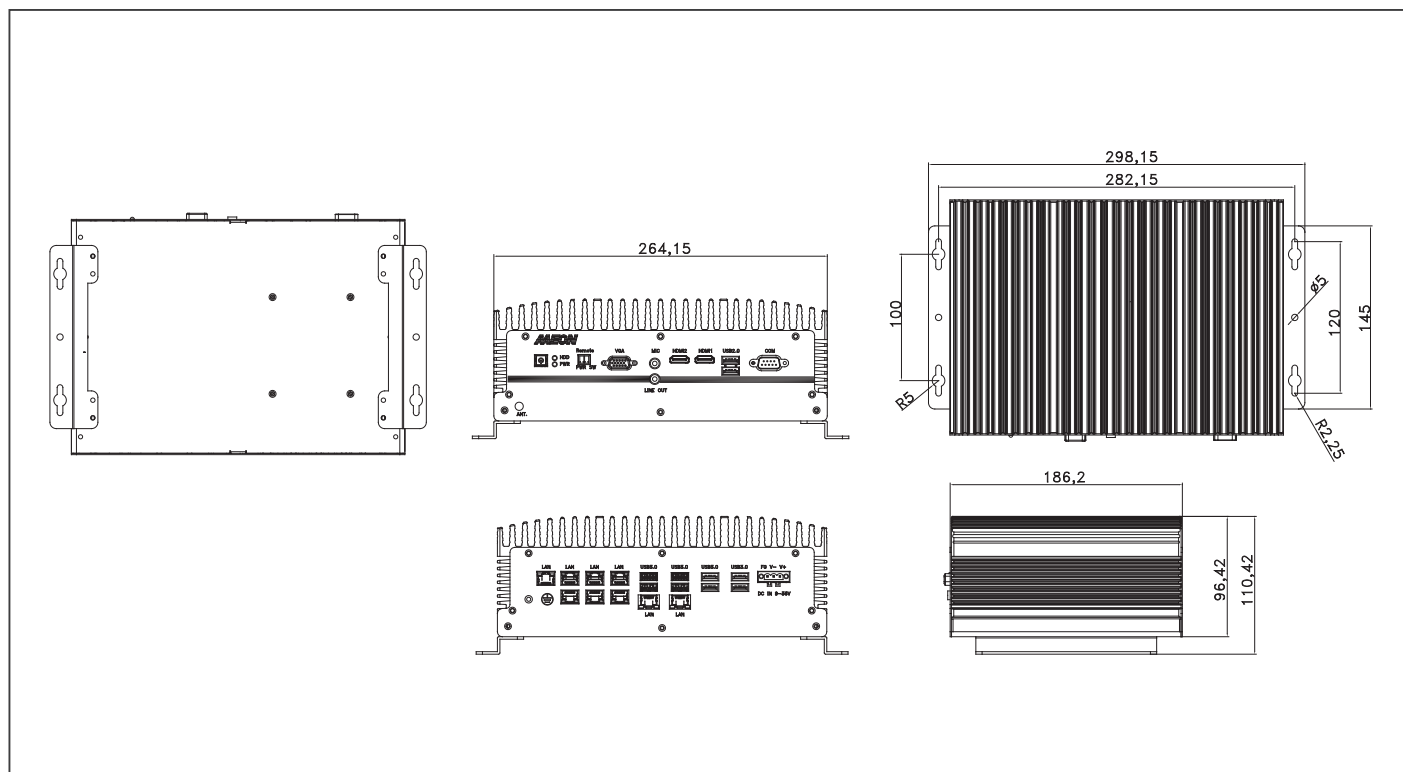


Specifications

System	
CPU	7th Generation Intel® Core™ Processor family: Intel® Core™ i7-7700T, 2.9 GHz Intel® Core™ i5-7500T, 2.8 GHz Intel® Core™ i3-7101TE, 3.4 GHz Intel® Pentium® G4560T, 2.9 GHz 6th Generation Intel® Core™ Processor family: Intel® Core™ i7-6700TE, 2.4 GHz Intel® Core™ i5-6500TE, 2.3 GHz Intel® Core™ i3-6100TE, 2.7 GHz Intel® Pentium® G4500T, 3.0 GHz Intel® Pentium® G4400TE, 2.9 GHz
Chipset	Intel® H170
System Memory	DDR4 1866/2133 SODIMM slot x 2, up to 32 GB, ECC or Non-ECC support
Display Interface	HDMI, VGA
Storage Device	mSATA, HDD/SSD
Ethernet	Intel® I210, 10/100/1000Base-TX x 9
I/O	RS-232/422/485 x 1 isolation USB Type A x 8 for USB 3.0, USB Type A x 2 for USB 2.0 RJ-45 x 9 for GbE LAN, Power On/Off Button x 1, 2 pin Remote power on/off VGA x 1, Mic-in x 1, Line-out x 1, Antenna opening x 1 SYS LED indicator x 1, HDD LED indicator x 1 DB-15 x 1 for VGA, HDMI v1.3 x 2 DC-in 3-pin terminal block (9~36V)
Expansion	Full-size Mini card x 1 (PCI-E + USB, w/ SIM slot) Full-size Mini card x 1 (PCI-E, BOM optional mSATA + USB)
OS Support	7th Generation Intel® Core™ Processor family: Windows® 10 IoT (64bit), Ubuntu 16.04 above, Fedora 25 above, CentOS 7.3 above 6th Generation Intel® Core™ Processor family: Windows® 10 IoT (64bit), Windows® 8.1 (64bit), Windows® embedded 8 standard (64bit), Windows® 7 (32bit/64bit), Windows® embedded standard 7 (32/64bit) Ubuntu 16.04 above, Fedora 25 above, CentOS 7.3 above
Power Supply	
Power Requirement	9 - 36V with 3-pin terminal block
Mechanical	
Mounting	Wallmount
Dimensions (W x H x D)	10.40" x 3.80" x 7.33" (264.2mm x 96.4mm x 186.2mm)
Gross Weight	12.8 lb (5.8 kg)
Net Weight	9.9 lb (4.5 kg)
Environmental	
Operating Temperature	-4°F ~ 122°F (-20°C ~ 50°C) (according to IEC68-2-14 with 0.5 m/s AirFlow; with industrial devices)
Storage Temperature	-49°F ~ 158°F (-45°C ~ 70°C)
Storage Humidity	5~95% @ 40°C, non-condensing
Anti-Vibration	2 Grms/ 5 ~ 500Hz/ operation – SSD 1 Grms/ 5 ~ 500Hz/ operation – HDD
Certification	CE/FCC class A

Dimension

Unit: mm



Ordering Information

Part Number	CPU	RAM	LAN	USB 3.0	USB 2.0	RS-232/422/485	Digital I/O	Audio	Storage	Display	Expansion	Mounting	Power	Operation Temp.
BOXER-6640M-A1-1010	—	—	9	8	2	1	—	MIC-in, Line-out	2.5" SATA Drive bay x 1	VGA x 1 HDMI x 2	Full-size Mini card x 1 (PCI-E + USB, w/ SIM slot) Full-size Mini card x 1 (PCI-E, BOM optional mSATA + USB)	Wallmount	9-36V	-4°F ~ 122°F (-20°C ~ 50°C)

Packing List

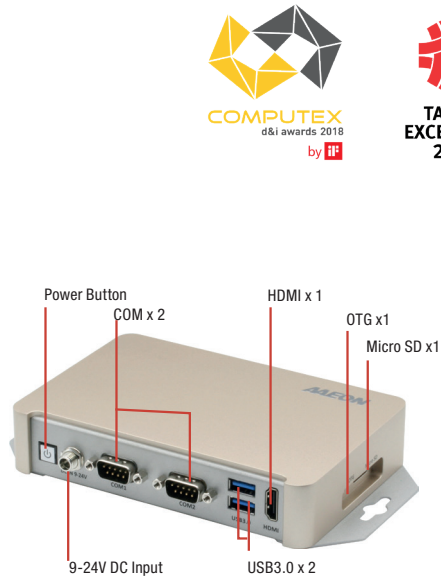
- Wallmount Bracket x 2
- Screw Package x 1
- Product DVD x 1
- Phoenix Power Connector x 1
- BOXER-6640M

Optional Accessories

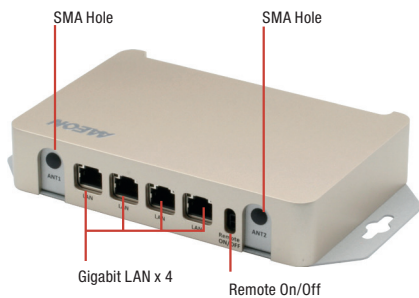
- **1255902200**
220W Power Adapter
- **1255901202**
120W Power Adapter
- **1702031802**
Power Cord (US Type)
- **1702031803**
Power Cord (Europe)
- **170203180E**
Power Cord (Japan)
- **9741159H00**
WiFi/Bluetooth Module & Antenna
- **9741EC25E0**
4G Module & Antenna (For Europe)
- **9741EC25A0**
4G Module & Antenna (For USA-AT&T)
- **9741EC25V0**
4G Module & Antenna (For USA-Verizon)

AI@Edge Solutions
AI@Edge Fanless Embedded Box PC with NVIDIA Jetson TX2, 4 GbE LAN Ports

Front View



Rear View



Features

- Nvidia Jetson TX2
- HMP Dual Denver 2 + Quad ARM A57
- Support Linux Ubuntu 16.04
- 8GB LPDDR4, 32GB eMMC 5.1 onboard
- RS-232 x 2, USB3.0 x 2, OTG x1
- HDMI 2.0 x 1, LAN x 4 (Intel i211*3, Native*1)
- Micro-SD x 1, Remote On/Off
- Power input: 9~24Vdc

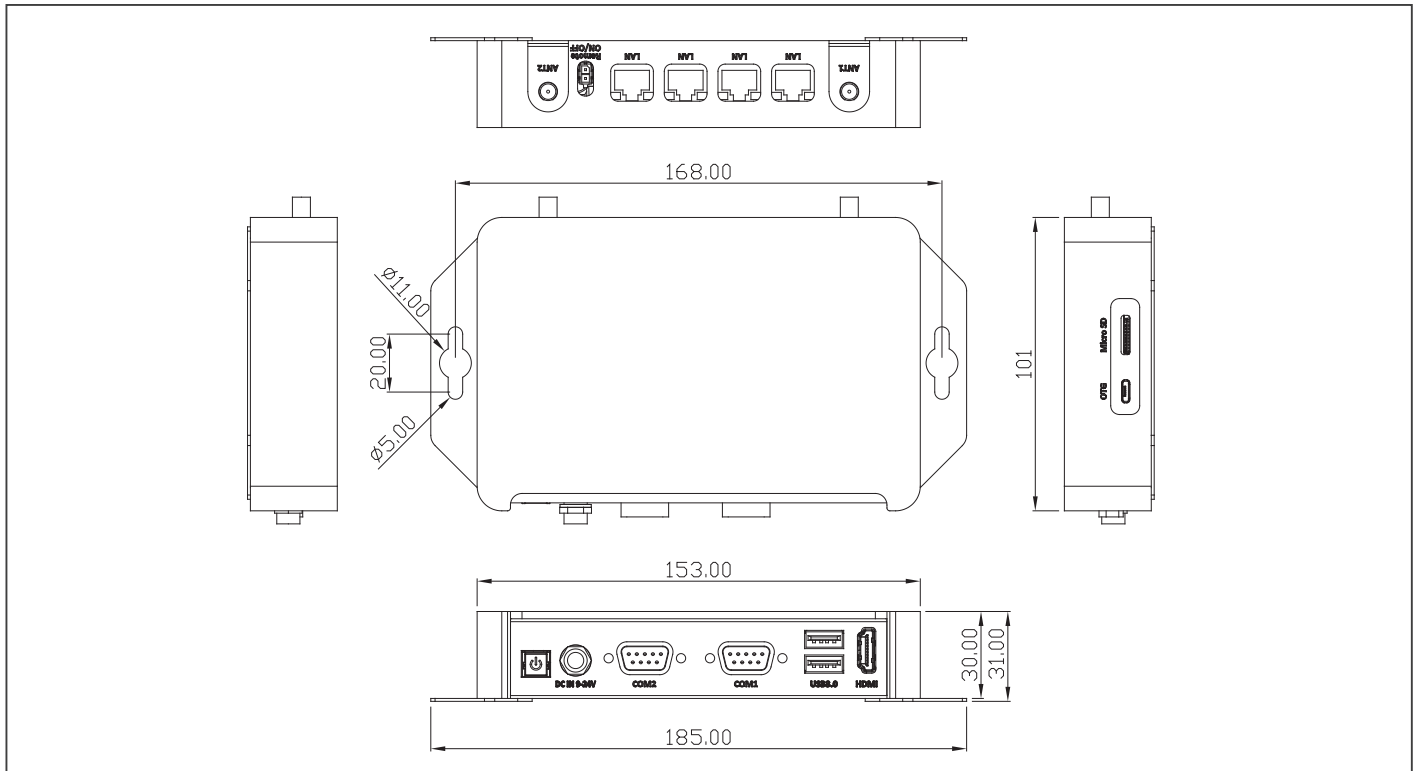


Specifications

System	
CPU	HMP Dual Denver 2 + Quad ARM A57
Chipset	—
System Memory	8GB LPDDR4
Display Interface	HDMI
Storage Device	32GB eMMC 5.1 MicroSD x1
Ethernet	10/100/1000Base-TX x 4
I/O	USB 3.0 x 2 HDMI x 1 LAN x 4 COM x 2 OTG x 1 Power Button x 1 SMA Holes x 2 9~24V DC-in Power Input x 1 Remote Power On/Off x 1
Expansion	—
Indicator	Power LED
OS Support	Linux Ubuntu 16.04
Power Supply	
Power Requirement	9~24V DC-in with DC Jack
Mechanical	
Mounting	Wallmount
Dimensions (W x H x D)	153mm(W) x 30mm(H) x 101mm(D)
Gross Weight	—
Net Weight	—
Environmental	
Operating Temperature	-4°F ~ 122°F (-20°C ~ 50°C, according to IEC682-14 with 0.5 m/s AirFlow; with industrial Devices)
Storage Temperature	-13°F ~ 176°F (-25°C ~ 80°C)
Storage Humidity	95% @ 40°C, non-condensing
Anti-Vibration	Random, 5 Grms/ 5 ~ 500Hz/ operation
Certification	CE/FCC class A

Dimension

Unit: mm



Ordering Information

Part Number	CPU	PCH	RAM	LAN	USB 3.0	USB 2.0	RS-232	RS-232/422/485	Digital I/O	Audio	Storage	Display	Expansion	Mounting	Power	Operation temp.
BOXER-8120AI-A1-1010	HMP Dual Denver 2 + Quad ARM A57	—	8	4	2	—	2	—	—	—	32G eMMC	HDMI x 1	—	Wallmount	9V ~ 24V	-20°C ~ 50°C

Packing List

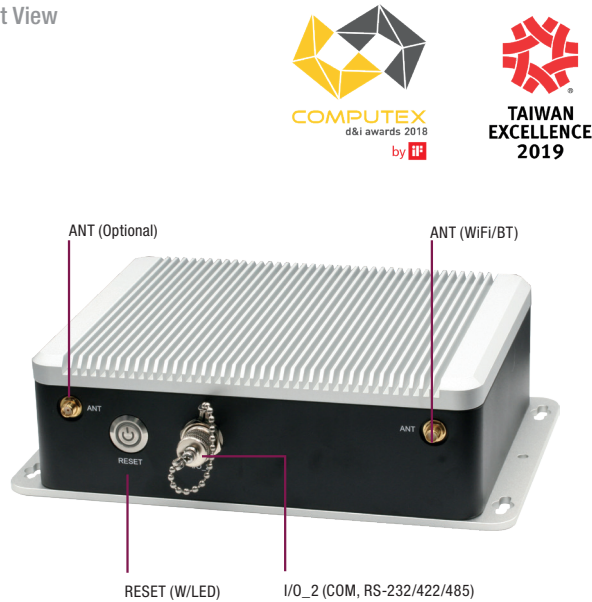
- Wallmount Bracket x 1
- Screw Package x 1
- Product DVD x 1
- BOXER-8120AI

Optional Accessories

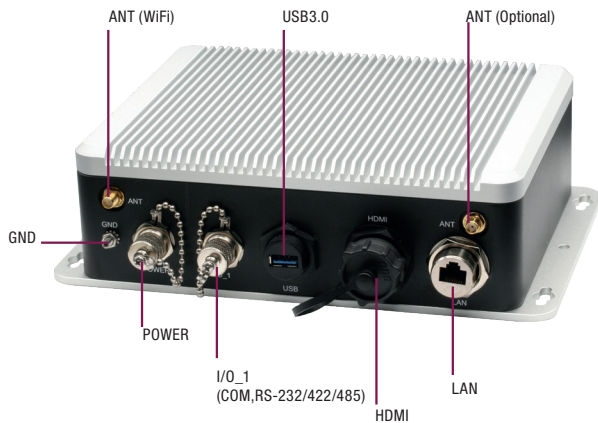
- **125530060A**
Power Adapter
- **1702031802**
Power Cord (US Type)
- **1702031803**
Power Cord (Europe)
- **170203180E**
Power Cord (Japan)

IP68 Gateway System

Front View



Rear View



Features

- IP68 Compliance Gateway System
- Intel® Atom™ E3940 Processor/Celeron® N3350 Processor
- Onboard 4GB LPDDR4 Memory
- Onboard 32 GB eMMC
- Gigabit LAN x 1, HDMI x 1
- USB3.0 x 1, RS-232 x 2
- Wi-Fi/Bluetooth Function
- Optional LORA Function, 3G, 4G LTE

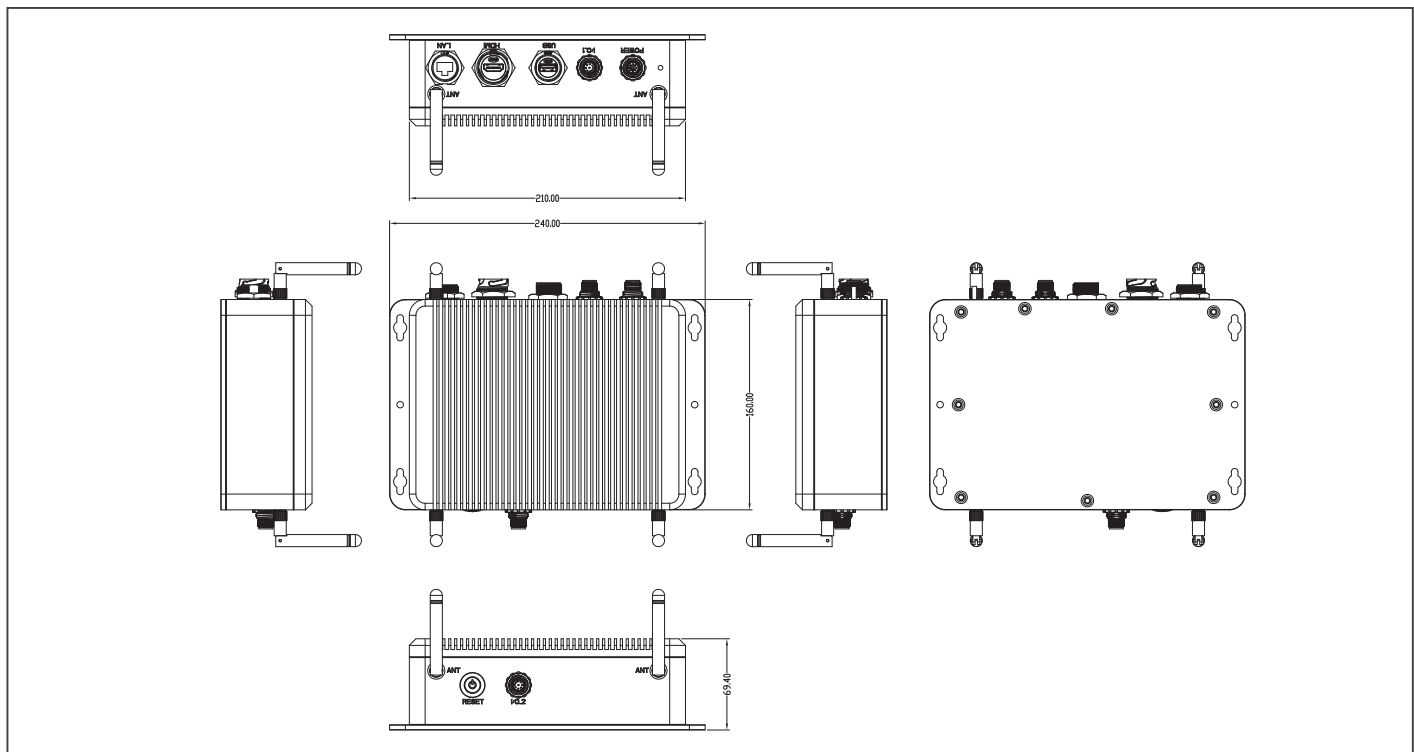


Specifications

SYSTEM	
CPU	Intel® Atom™ E3940 Processor Intel® Celeron® N3350 Processor
Chipset	Intel® System on Chip
Memory	Onboard 4GB/ 2GB LPDDR4 memory
Storage	32GB eMMC on board
Display	HDMI
Ethernet	Standard: Realtek 8111G x 1 Wide temperature: Intel i211 x 1
USB	USB 3.0 x 1
COM	RS-232/422/485 x 2
Digital I/O	—
Expansion Slot	Mini Pcie card x 1 Sim Card x 1
Indicator	—
Wi-Fi	801.11ac
Bluetooth	BT4.0
Lora	868/915 MHz (Optional)
POE	IEEE802.3 AT Standard, Max 25W Power Supply
OS Support	Microsoft Windows 10 (full), Windows IOT Core, Linux ubilinux, Ubuntu, Yocto
I/O Placements	
Front I/O	M12 Connector x 1 (RS-232) Reset button x 1 GND Screw x 1 Antenna connector x 1 Antenna x 1
Rear I/O	RJ45 Connector x 1 HDMI Connector x 1 USB 3.0 Connector x 1 M12 Connector x 1 (RS-232) Antenna connector x 1 Antenna x 1
Right Side I/O	—
Left Side I/O	—
Power	
Power Requirement	5V DC in
Mechanical	
IP	IP68
Dimesion	239.40 mm x 159.40 mm x 69.40 mm
Mounting	Wallmount
Gross Weight	7.8lb (3.5kg)
Net Weight	5.6lb (2.5kg)
Environment	
Operating Temperature	-20°C ~ 70°C (E3940), 0°C ~ 50°C (N3350)
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)
Storage Humidity	5~95% @ 40°C, 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-IP6801-A11-AP40432W	Intel® Atom™ E3940 Processor	4GB	32GB	1	3.0 x 1	RS-232 x 2	—	HDMI x 1	Wi-Fi 801.11ac+BT4.0	—	Wallmount	—	5V DC In	-4°F ~ 158°F(-20°C ~ 70°C)
AIOT-IP6801-A12-AP40432W	Intel® Atom™ E3940 Processor	4GB	32GB	1	3.0 x 1	RS-422 x 2	—	HDMI x 1	Wi-Fi 801.11ac+BT4.0	—	Wallmount	—	5V DC In	-4°F ~ 158°F(-20°C ~ 70°C)
AIOT-IP6801-A13-AP40432W	Intel® Atom™ E3940 Processor	4GB	32GB	1	3.0 x 1	RS-485 x 2	—	HDMI x 1	Wi-Fi 801.11ac+BT4.0	—	Wallmount	—	5V DC In	-4°F ~ 158°F(-20°C ~ 70°C)

Packing List

- AIOT-IP6801
- Antenna x 2

Optional Accessories

- **1255300362**
5V/6A Power Adapter
Power cord for China
- **1702020910**
Power cord for EU
- **1702020911**
Power cord for US
- **1702020912**
Power cord for Japan
- **1702020913**
Power cord for China
- **170204100E**
Waterproof Power Cable, M12 to DC PLUG, 100cm
- **1700091002**
Waterproof COM Cable, D-SUB to M12, 100cm.
- **1709081000**
Waterproof RJ45 Cable, 100cm
- **1709191000**
Waterproof HDMI Cable, Male to Male, 100cm

Tiny Gateway System with UP Core

Front View



Rear View



Features

- Intel® Atom™ Processor
- Onboard DDR3L Memory, eMMC Storage
- Onboard WiFi, Bluetooth
- HDMI x 1
- USB 3.0 x 1
- COM x 1
- Gigabit LAN x 1

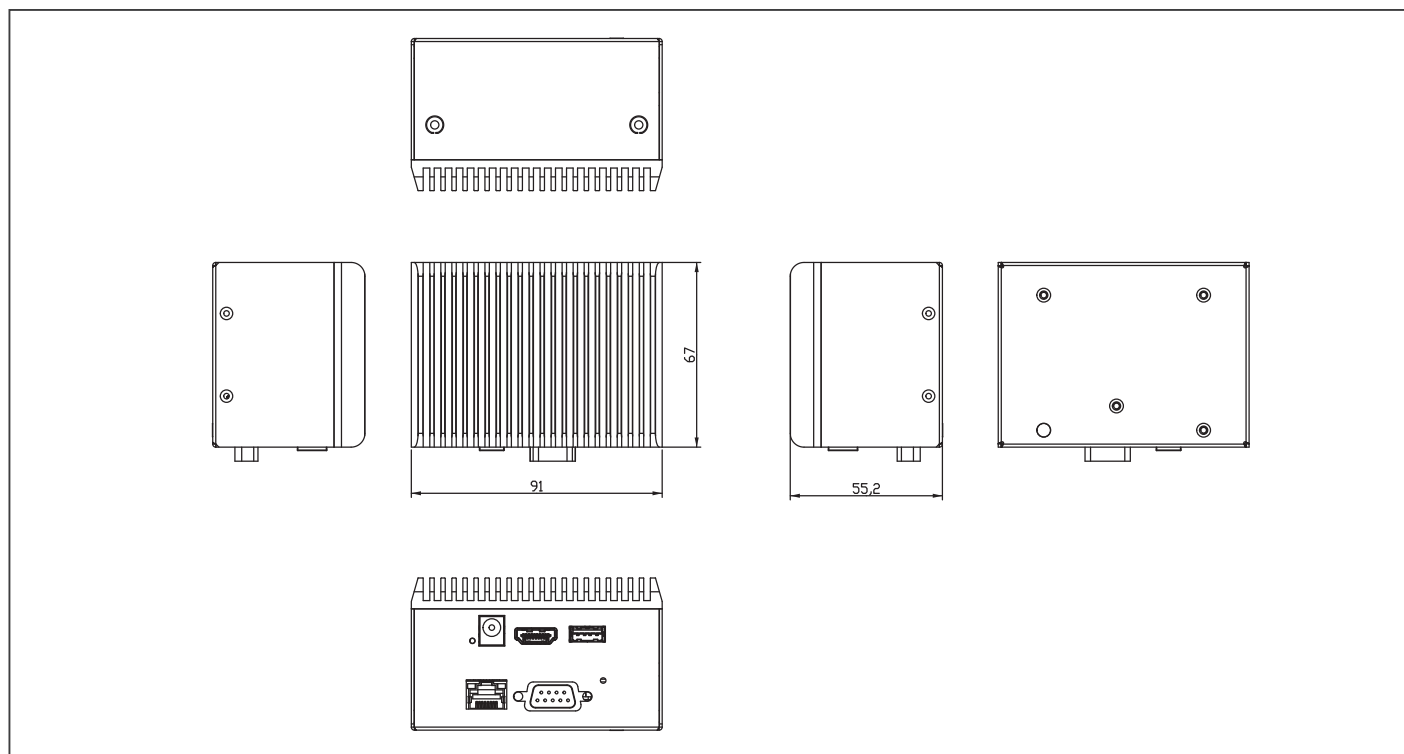


Specifications

System	
CPU/Chipset	Intel® Atom™ x5-Z8350 Processor
Memory	1GB/ 2GB/ 4GB onboard DDR3L-1600
Graphics	Intel® HD 400 Graphics
Storage	16GB/32GB/64GB eMMC
Ethernet	Realtek 8111G x 1
WiFi/BT	WiFi802.11 b/g/n @2.4 GHz, Bluetooth 4.0
Audio	HDMI x 1
USB	USB 3.0 Host x 1
I/O Placements	
Power	5V DC x 1
USB	USB3.0 x 1
Display Port	HDMI x 1
Ethernet	RJ-45 x 1
COM	DB9 x 1
Environment	
Power	5V/4A DC Only
Form Factor	3.58" x 2.63" x 2.17" (91mm x 67mm x 55.2mm)
Gross Weight	0.77 lb (0.35 kg)
Operating Temperature	32°F ~ 104°F (0°C ~ 40°C)
Operating Humidity	10% ~ 80% relative humidity, non-condensing
Certification	CE, FCC Class A
OS Support	Windows® 10, Linux (UbiLinux, Ubuntu, Yocto), Android 6.0

Dimension

Unit: mm



Ordering Information

Product SKU	Description
UPC-GWS01-A20-0216	UPC-GWS01, w/2G memory, 16G eMMC board w/o VESA plate
UPC-GWS01-A20-0232	UPC-GWS01, w/2G memory, 32G eMMC board w/o VESA plate
UPC-GWS01-A20-0432	UPC-GWS01, w/4G memory, 32G eMMC board w/o VESA plate
UPC-GWS01-A20-0464	UPC-GWS01 w/4G memory, 64G eMMC board w/o VESA plate

Packing List

- UPC-GWS01
- Antenna x 1

Optional Accessories

- 1255300203
5V/4A Power Adapter