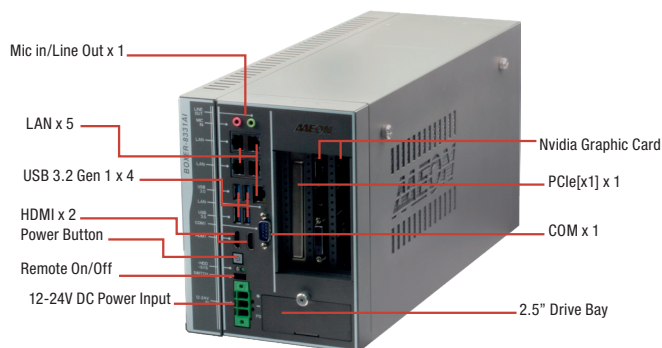


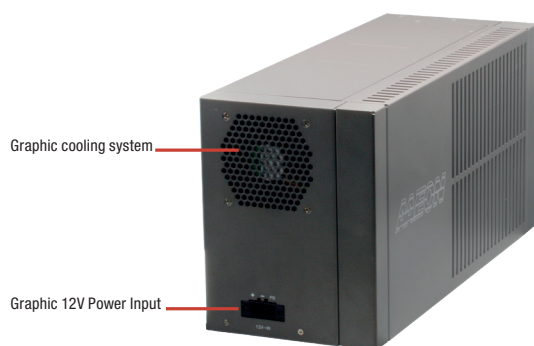
BOXER-8331AI

AI@Edge Box PC with 6th / 7th Gen Intel® Core™ i and Xeon® Processor

Front View



Rear View



Features

- Support 6th / 7th Core™ i desktop and Xeon® server-grade processor, Max 73W.
- Intel® C236 PCH
- Built in RTX-2060 GPU Card (A1)
- Built in RTX-2080Ti GPU Card (A2)
- Wide Range Power Input: 12-24Vdc

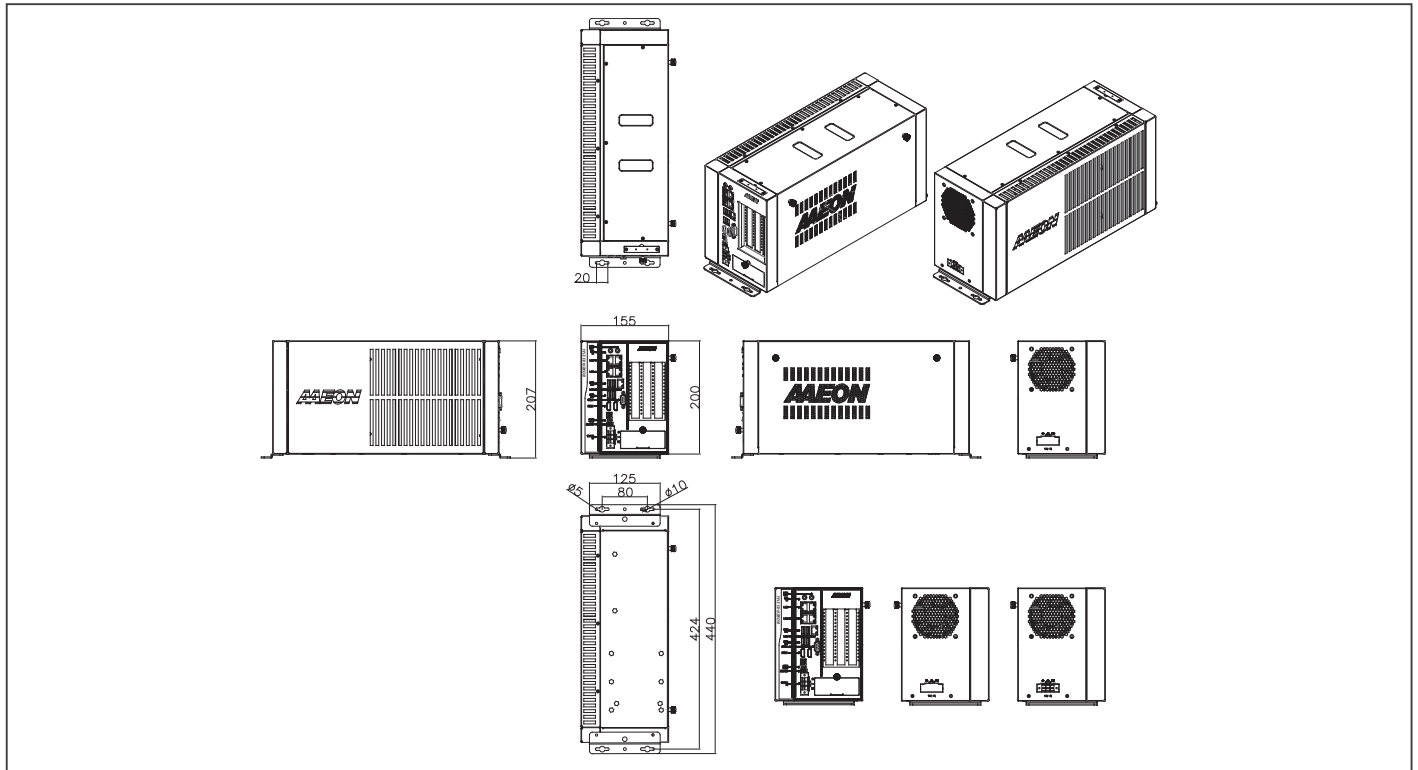


Specifications

| System | |
|------------------------|---|
| CPU | 6th / 7th Gen Intel® Core™ i desktop and Xeon® server grade processor -Intel® Core™ i7-6700TE, 2.4 GHz -Intel® Core™ i5-6500TE, 2.3 GHz -Intel® Core™ i3-6100TE, 2.7 GHz -Intel® Core™ i7-7700T, 2.9 GHz -Intel® Core™ i7-7700, 3.6 GHz -Intel® Core™ i3-7101TE, 3.4 GHz Intel® Xeon® E3-1268L v5, 2.40 GHz Intel® Xeon® E3-1275 v6, 3.80 GHz |
| Chipset | Intel® C236 PCH |
| System Memory | DDR4 ECC or Non-ECC SODIMM, up to 32GB |
| AI Solution | Nvidia RTX Graphic Card |
| Display Interface | System : HDMI 1.4b (Debug Mode Only) Nvidia RTX Graphic Card Display |
| Storage Device | 2 x 2.5" Drive Bay |
| Ethernet | 10/100/1000 Base-TX x 5 |
| I/O | 2 pin Remote Power on/off connector Power ON/OFF Switch x 1 HDMI type A x 2 for HDMI v1.4b Audio x 2 (MIC-in, Line-out) USB 3.2 Gen 1 x 4 DB-9 x 1 for RS-232/422/485 3 pin DC Power input x 1 (+, -, GND) RJ-45 x5 for GbE LAN (Intel i211AT x 4, i219LM x 1) |
| Expansion | Full-size Mini card x 2 (USB/miniPCIe, w/ 1 SIM slot) Built in RTX-2060 Super GPU Card (A1) Built in RTX-2080Ti GPU Card (A2) 1 x PCIe[x1] |
| Indicator | Power LED x 1, HDD active LED x 1 |
| OS Support | Skylake S Windows® 10, Windows® 10 IoT, Windows® 8.1, Windows® Embedded Standard 8, Windows® 7, Windows® Embedded Standard 7, Ubuntu 16.04.2 Kabylake Windows® 10, Windows® 10 IoT, Ubuntu 16.04.2 |
| Power Supply | |
| Power Requirement | System Power DC 12-24V 240W x1 Graphic Card Power DC 12V 240W x1 |
| Mechanical | |
| Mounting | Wallmount |
| Dimensions (W x H x D) | 6.10" x 7.87" x 15.75" (155mm x 200mm x 400mm) |
| Gross Weight | 18.29 lb (8.3 Kg) |
| Net Weight | 14.53 lb (7 Kg) |
| Environmental | |
| Operating Temperature | 0°C ~ 40°C according to IEC60068-2 with 0.5 m/s AirFlow ; with industrial devices |
| Storage Temperature | -4°F ~ 176°F (-40°C ~ 80°C) |
| Storage Humidity | 5 ~ 95% @ 40C, non-condensing |
| Anti-Vibration | Random, 1Grm, 5~500Hz, anti-vibration design |
| Certification | CE/FCC class A |

Dimension

Unit: mm



Ordering Information

| Part Number | CPU | PCH | LAN | USB 3.2 Gen 1 | RS-232/422/485 | RS-232 | Digital I/O | Audio | Storage | Display | Expansion | Mounting | Power | Operation temp. |
|----------------------|-----|------|-----|---------------|----------------|--------|-------------|------------------|-------------------|-------------------------------|--------------------------------------|-----------|---|--------------------------------|
| BOXER-8331AI-A1-1010 | — | C236 | 5 | 4 | 1 | — | — | MIC-in, Line-out | 2.5" Drive Bay x2 | RTX-2060 Super Display Output | RTX-2060 Super GPU Card 1 x PCIe[x1] | Wallmount | System Power: DC 12-24V 240W x1 Graphic Card Power: DC 12V 240W x1 | 0°C ~ 40°C with 0.5m/s airflow |
| BOXER-8331AI-A2-1010 | — | C236 | 5 | 4 | 1 | — | — | MIC-in, Line-out | 2.5" Drive Bay x2 | RTX-2080TI Display Output | RTX-2080TI GPU Card 1x PCIe[x1] | Wallmount | System Power: DC 12-24V 240W x1 Graphic Card Power: DC 12V 240W x1 | 0°C ~ 40°C with 0.5m/s airflow |

Packing List

- Wallmount Bracket x 2
- 3 Pin DC-in Power Connector x 1
- Screw Package x 1
- Thermal Pad Package x 1
- BOXER-8331AI

Optional Accessories

- **1255902400**
240W Power Adapter
- **1702031802**
Power Cord (US type)
- **1702031803**
Power Cord (European Type)
- **170203180E**
Power Cord (Japanese Type)
- **9741238H00**
WiFi Module & Antenna
- **9741EC20E0**
4G Module & Antenna (for Europe)
- **9741EC25A0**
4G Module & Antenna (for USA-AT&T)
- **9741EC25V0**
4G Module & Antenna (for USA-Verizon)