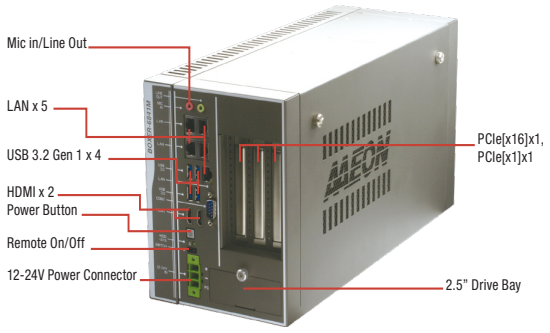
03

BOXER-6841M-A2

Vision System Embedded Box PC with 6th / 7th Generation Intel® Core™ Desktop Processor and PCIe(x16) + PCIe (x1)

Front View



Rear View

Features

- **Support 6th / 7th Core-i desktop processor, Max 65W**
- **Intel® H110 PCH**
- **Easy Installation design for expand slot**
- **Support PCIe[x16] x1, PCIe[x1] x1**
- **Support up to max 250W Graphic Card**
- **System Fan with PWM function**

DDR 4 | 1000 Giga LAN | USB 3.2 Gen 1 | PCI Express | CE | FC

Specifications

System	
CPU	6th / 7th Generation Intel® Core™-i desktop Processor -Intel® Core™ i7-6700TE, 2.4 GHz -Intel® Core™ i5-6500TE, 2.3 GHz -Intel® Core™ i3-6100TE, 2.7 GHz -Intel® Core™ i7-7700, 3.6 GHz -Intel® Core™ i7-7700T, 2.9 GHz -Intel® Core™ i3-7101TE, 3.4 GHz
Chipset	Intel® H110 PCH
System Memory	DDR4 ECC or Non-ECC SODIMM, up to 32GB
Display Interface	HDMI type A x 2 for HDMI v1.4b
Storage Device	2.5" Drive Bay x 2
Ethernet	RJ-45 x 5 for GbE (Intel® i211AT x 4, i219LM x 1)
I/O	2 pin Remote Power on/off connector Power ON/OFF Switch x 1 HDMI 1.4b x 2 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)
Expansion	Full-size Mini card x 2 (USB, w/ 1 SIM slot) PCIe [x1] x 1 PCIe [x16] x 1 - Power Consumption of GPU card max. 250W - Max. size of GPU card 312 x 113 x 40 mm (Option) Max. size of GPU card 312 x 113 x 60 mm (Riser Card: 9697T50300)
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	DC-In 12~24V For System power, 12V only for Graphic Card - CPU < 65W, No Graphic Card: 120W Adapter - CPU ≤ 65W, 180W < Graphic Card < 250W: 240W Adapter x 2
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	-4°F ~ 131°F (-20°C ~ 55°C) according to IEC60068-2 with 0.5m/s airflow (TDP 35W Processor)
Storage Temperature	-4°F ~ 176°F (-40°C ~ 80°C)
Storage Humidity	5 ~ 95% @ 40°C, non-condensing
Anti-Vibration	Random, 1 Grms, 5~500Hz, Anti-vibration design
Anti - Shock	—
Certification	CE/FCC class A

Note: All specifications are subject to change without notice.

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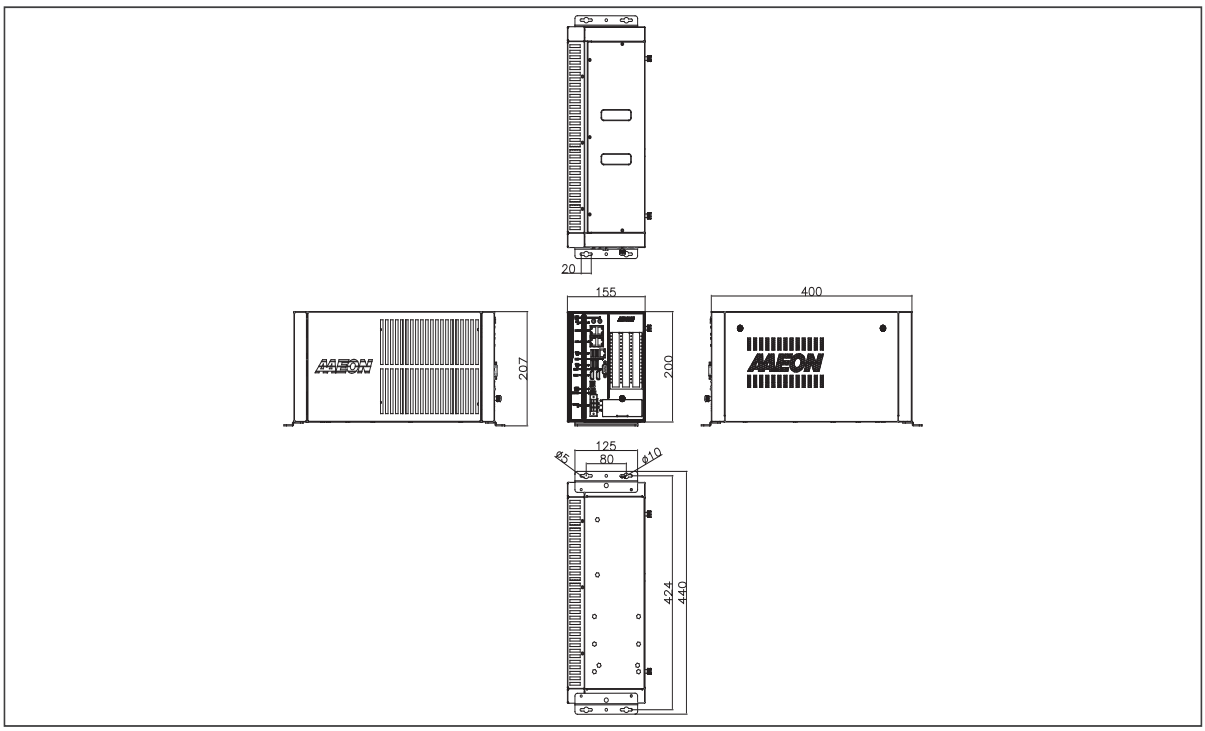
Dimension

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-6841M-A2-1010	—	H110	5	4	1	—	—	MIC-in, Line-out	2.5" Drive Bay x 2	HDMI x2	Full-size Minicard x2, PCIe[x16] x1, PCIe[x1]x1	Wallmount	DC-In 12~24V For System power, 12V only for Graphic Card - CPU < 65W, No Graphic Card: 120W Adapter - CPU ≤ 65W, 180W < Graphic Card < 250W: 240W Adapter x 2	-20°C ~ 55°C with 0.5m/s airflow (TDP 35W Processor) -20°C ~ 45°C with 0.5m/s airflow (TDP 65W Processor)

Packing List

- Wallmount Bracket x 2
- 3 Pin DC-in Power Connector x 1
- Screw Package x 1
- Thermal Pad Package x 1
- BOXER-6841M-A2

Optional Accessories

- **1255901209**
  120W Power Adapter
- **1255902400**
  240W Power Adapter
- **1702031802**
  Power Cord (US type)
- **1702031803**
  Power Cord (European Type)
- **170203180E**
  Power Cord (Japanese Type)
- **9741238H00**
  WiFi Module & Antenna
- **9741EG25G0**
  4G Module & Antenna (for global)
- **9741EC25A0**
  4G Module & Antenna (for USA-AT&T)
- **9741EC25V0**
  4G Module & Antenna (for USA-Verizon)
- **9697T50300**
  Riser Card with PCIe [x16] x 1, max. size of GPU card 312 /190mm x 113mm x 60mm

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Assured Systems

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