

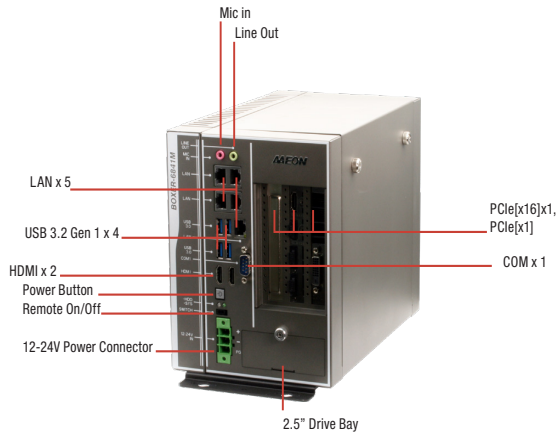
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# BOXER-6841M-A7

Vision System Embedded Box PC with 6th/ 7th Generation Intel® Core™ Desktop / Xeon® server-grade Processor and PCIe[x16] + PCIe [x1]

Vision System BOX PC Solutions

Front View



Rear View



## Features

- Support 6th / 7th Core-i desktop and Xeon® server-grade processor, Max 73W.
- Intel® C236 PCH
- Easy Installation design for expand slot
- Support PCIe[x16] x 1, PCIe[x1] x 1
- System Fan with PWM function



## Specifications

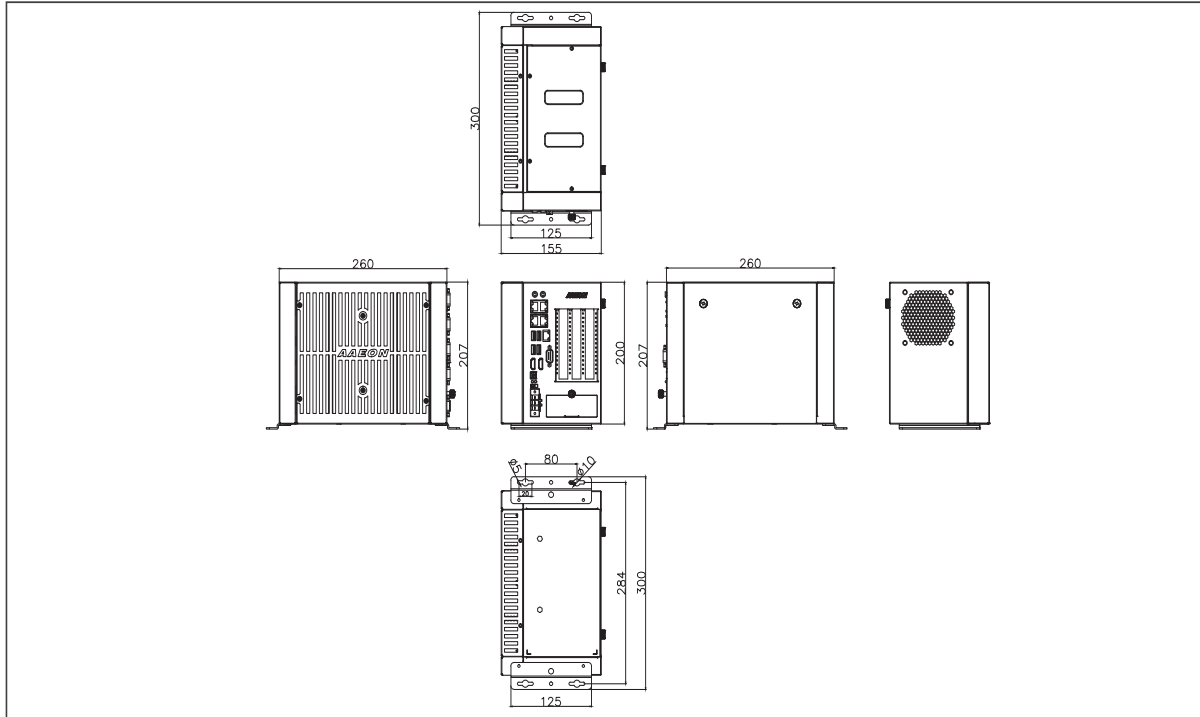
System	
CPU	6th / 7th Generation Intel® Core™-i desktop and Xeon® server grade processor -Intel® Core™ i7-6700TE, 2.4 GHz -Intel® Core™ i5-6500TE, 2.3 GHz -Intel® Core™ i3-6100TE, 2.7 GHz -Intel® Core™ i7-7700, 3.6 GHz -Intel® Core™ i7-7700T, 2.9 GHz -Intel® Core™ i3-7101TE, 3.4 GHz -Intel® Xeon® E3-1268L 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
Display Interface	HDMI 1.4b
Storage Device	2.5" Drive Bay x 2
Ethernet	RJ-45 x 5 for GbE (Intel® i211AT x4, i219LM x1)
I/O	Audio x 2 (MIC-in, Line-out) RJ-45 x 5 for GbE LAN USB Type A x 4 for USB 3.2 Gen 1 DB-9 x 1 for RS-232/422/485 HDMI type A x 2 for HDMI v1.4b Power ON/OFF Switch x 1 2 pin Remote Power on/off connector x1 Power input x 1
Expansion	Full-size Mini card x2 (USB, w/ 1 SIM slot) PCIe [x1] x 1 PCIe [x16] x 1 - Power Consumption of GPU card max. 180W - Max. size of GPU card 190 x 113 x 40 mm (Option) Max. size of GPU card 190 x 113 x 60 mm (Riser Card: 9697750300)
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 - CPU < 73W, No Graphic Card: 120W Adapter - CPU ≤ 73W, 180W Graphic Card: 330W Adapter
Mechanical	
Mounting	Wallmount
Dimensions (W x H x D)	6.10" x 7.87" x 10.24" (155mm x 200mm x 260mm)
Gross Weight	12.75 lb (5.8 kg)
Net Weight	9.9 lb (4.5 Kg)
Environmental	
Operating Temperature	-4°F ~131°F (-20°C ~ 55°C) according to IEC60068-2 with 0.5m/s airflow (TDP 35W Processor) -4°F ~113°F (-20°C ~ 45°C) according to IEC60068-2 with 0.5m/s airflow (TDP 73W 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

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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-A7-1010	—	C236	5	4	1	—	—	MIC-in, Line-out	2.5" Drive Bay x2	HDMI x2	Full-size M.2 x2, PCIe(x16) x1, PCIe(x1) x1	Wallmount	DC-In 12-24V - CPU < 73W, No Graphic Card: 120W Adapter - CPU ≤ 73W, 180W Graphic Card: 330W Adapter	-20°C ~ 55°C with 0.5m/s airflow (TDP 35W Processor) -20°C ~ 45°C with 0.5m/s airflow (TDP 73W 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-A7

## Optional Accessories

- **1255901209**  
120W Power Adapter
- **1255903300**  
330W 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)
- **M046841140**  
Main heatsink cover
- **9697T50300**  
Riser Card with PCIe [x16] x 1, max. size of GPU card 312/190mm x 113mm x 60mm

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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