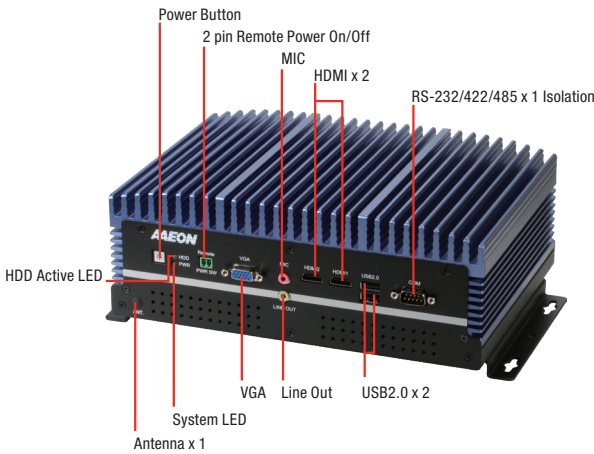


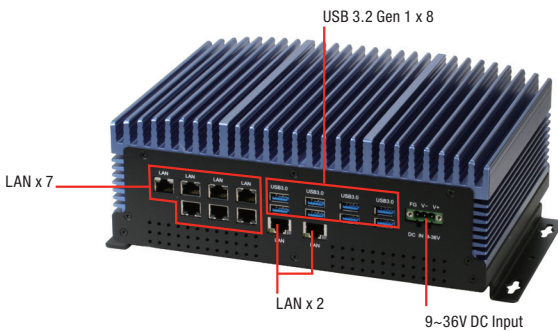
# BOXER-6640M

Vision System Fanless Embedded Box PC with 6th/7th Generation Intel® Core™ Desktop Processor and Multi GbE LAN & USB 3.2 Gen 1

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 3.2 Gen 1 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

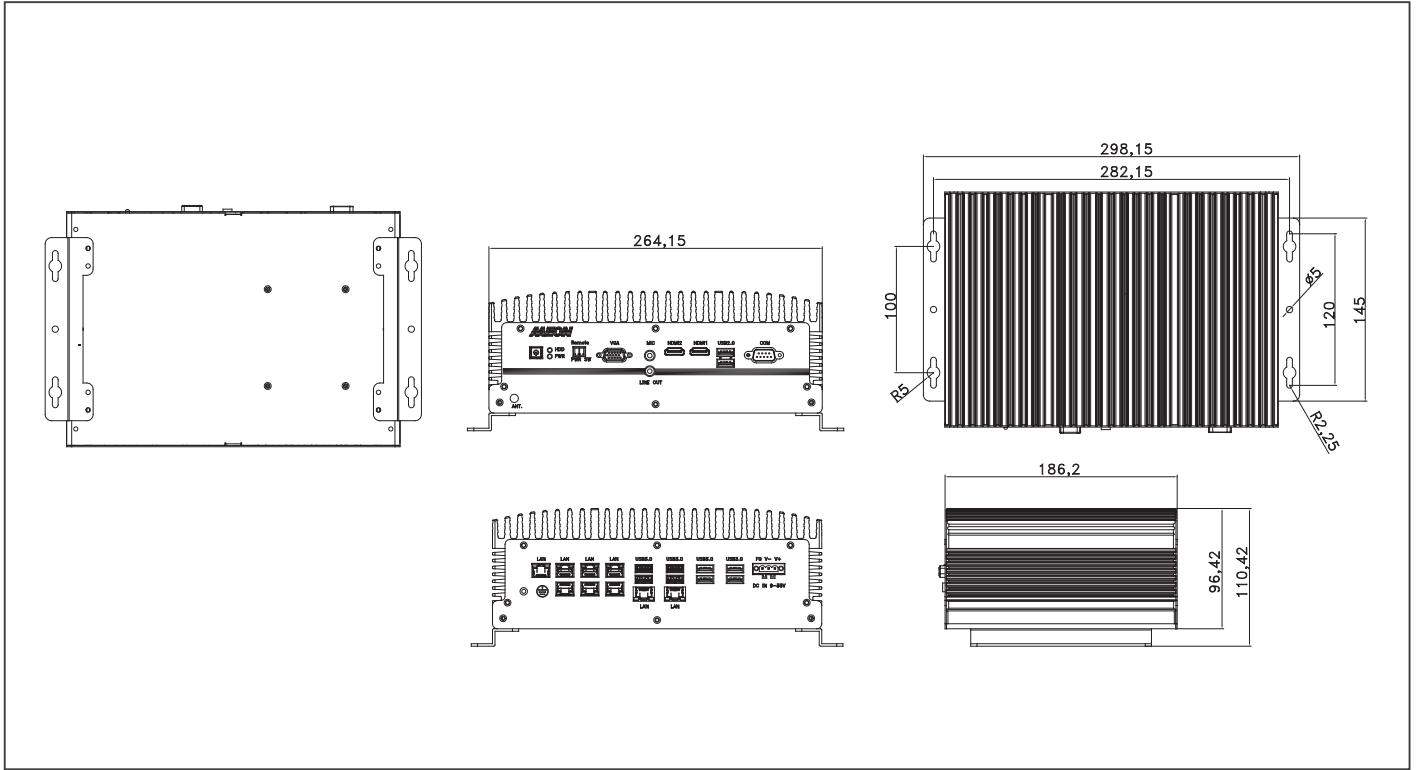


## Specifications

System	
CPU	<b>7th Generation Intel® Core™ Processor family:</b> 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 <b>6th Generation Intel® Core™ Processor family:</b> 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, 10/100/1000 Base-TX x 9
I/O	RS-232/422/485 x 1 isolation USB Type A x 8 for USB 3.2 Gen 1, 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	<b>7th Generation Intel® Core™ Processor family:</b> Windows® 10 IoT (64bit), Ubuntu 16.04 above, Fedora 25 above, CentOS 7.3 above <b>6th Generation Intel® Core™ Processor family:</b> 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 3.2 Gen 1	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
- 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)