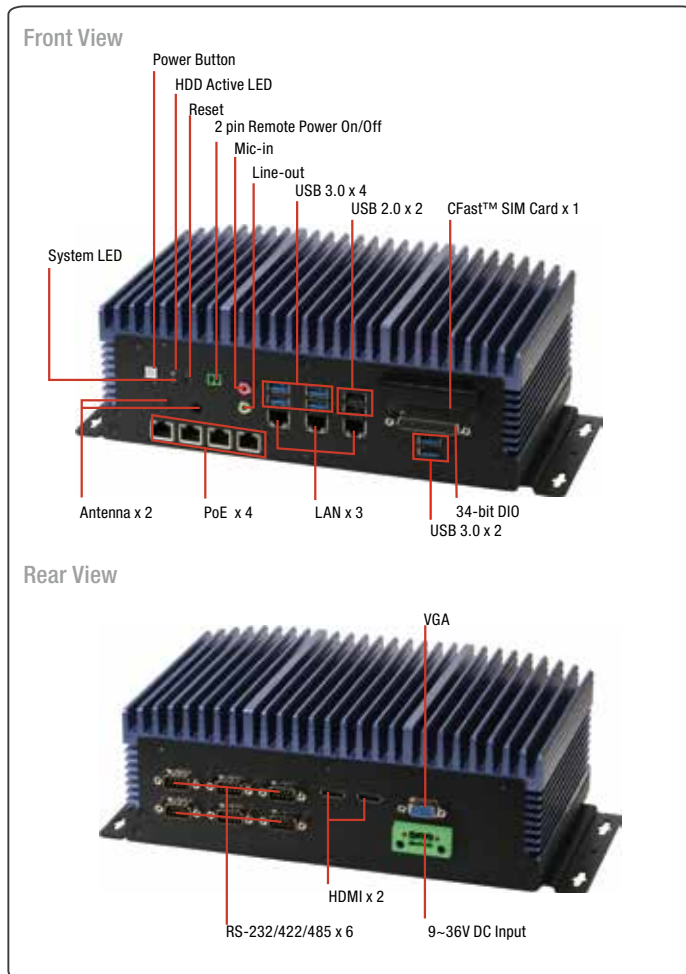


# 08 BOXER-6639M

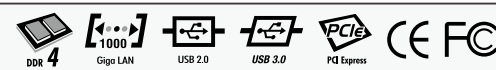
Compact Fanless BOX PC Solutions

Fanless Embedded Box PC with 6th/ 7th Generation Intel® Core™ Desktop Processor and PoE



## Features

- Extreme Computing Power & Graphic Display Capability
- Desktop Grade Socket Type Processor with Longevity Support
- DDR4 ECC or Non-ECC SODIMM, Up to 32GB
- VGA + HDMI x 2 Triple Display, HDMI 4K Display
- 802.3at GbE PoE x 4 (max. 80W in total)
- USB 3.0 x 6
- Intel® Industrial-grade GbE LAN x 3
- Support BIOS Selectable RS-232/422/485 x 6
- Easy Access Design
- Wide Range DC 12~36V Input
- 34-bit Digital Input and Output



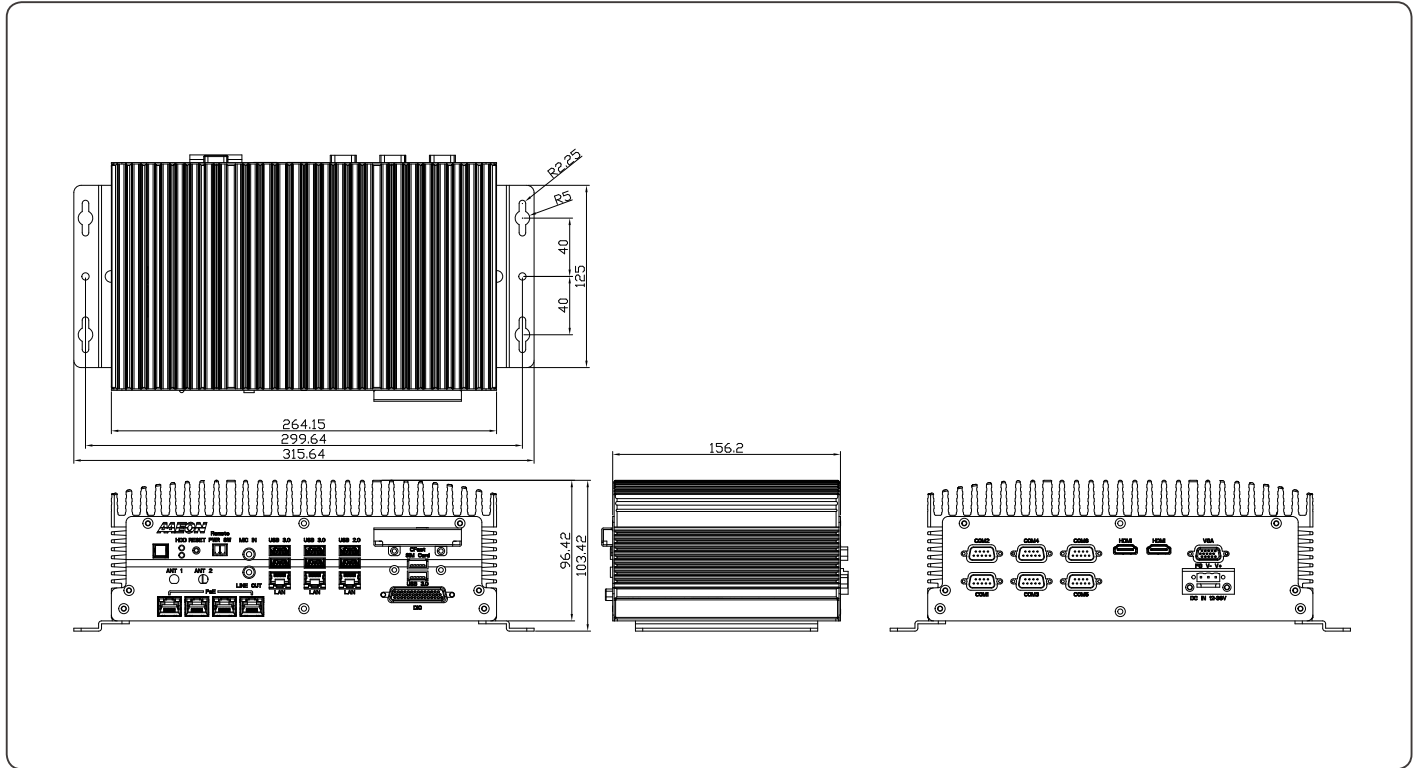
|                        |  |
|------------------------|--|
| I/O                    | RS-232/422/485 x 6<br>USB Type A x 6 for USB 3.0<br>USB Type A x 2 for USB 2.0<br>RJ-45 x 3 for GbE LAN<br>RJ-45 x 4 for PoE (802.3at, max. 80W in total)<br>DB-44 for 34-bit Digital I/O (5V)<br>CFast™ slot x 1<br>SIM card slot x 1<br>Power On/Off Button x 1<br>2 pin Remote power on/off<br>Reset switch<br>Mic-in x 1<br>Line-out x 1<br>Antenna opening x 2<br>SYS LED indicator x 1<br>HDD LED indicator x 1<br>DB-15 x 1 for VGA<br>HDMI v1.3 x 2<br>DC-in 3-pin terminal block (12~36V) |
| Expansion              | Full-size Mini-Card x 2  |
| Indicator              | Power LED<br>HDD active LED  |
| OS Support             | <b>7th Generation Intel® Core™ Processor family:</b><br>Windows® 10 IoT (64bit)<br>Ubuntu 16.04 above<br>Fedora 25 above<br>CentOS 7.3 above<br><br><b>6th Generation Intel® Core™ Processor family:</b><br>Windows® 10 IoT (64bit)<br>Windows® 8.1 (64bit)<br>Windows® embedded 8 standard (64bit)<br>Windows® 7 (32/64bit)<br>Windows® embedded standard 7 (32/64bit)<br>Ubuntu 16.04 above<br>Fedora 25 above<br>CentOS 7.3 above   |
| <b>Power Supply</b>    |  |
| Power Requirement      | 12 - 36V with 3-pin terminal block   |
| Mounting               | Wallmount  |
| <b>Mechanical</b>      |  |
| Dimensions (W x H x D) | 10.4" x 3.8" x 6.1" (264.2mm x 96.4mm x 154.2mm)   |
| Gross Weight           | 13.0 lb (5.9 kg)   |
| Net Weight             | 8.8 lb (4.0 kg)  |
| <b>Environmental</b>   |  |
| Operating Temperature  | -25°C ~ 55°C<br>(according to IEC68-2-14 with 0.5 m/s AirFlow ; with industrial devices)   |
| Storage Temperature    | -45°C ~ 80°C   |
| Storage Humidity       | 5~95% @ 40°C, non-condensing   |
| Anti-Vibration         | 5 Grms/ 5 ~ 500Hz/ operation - SSD/CFast™ card<br>1 Grms/ 5 ~ 500Hz/ operation - HDD   |
| Certification          | CE/FCC class A   |

## Specifications

| System            |  |
|-------------------|--|
| CPU               | <b>7th Generation Intel® Core™ Processor family:</b><br>Intel® Core™ i7-7700T, 2.9 GHz<br>Intel® Core™ i5-7500T, 2.8 GHz<br>Intel® Core™ i3-7101TE, 3.4 GHz<br>Intel® Pentium® G4600T, 3.0 GHz<br>Intel® Pentium® G4560T, 2.9 GHz<br>Intel® Celeron® G3930T, 2.7 GHz<br><br><b>6th Generation Intel® Core™ Processor family:</b><br>Intel® Core™ i7-6700TE, 2.4 GHz<br>Intel® Core™ i5-6500TE, 2.3 GHz<br>Intel® Core™ i3-6100TE, 2.7 GHz<br>Intel® Pentium® G4500T, 3.0 GHz<br>Intel® Pentium® G4400T, 2.9 GHz<br>Intel® Celeron® G3900T, 2.6 GHz |
| Chipset           | Intel® Q170  |
| System memory     | DDR4 1866/2133 S0-DIMM slot x 2, up to 32GB  |
| Display Interface | HDMI, VGA  |
| Storage Device    | CFast™, HDD/SSD  |
| Ethernet          | Intel® i210, 10/100/1000Base-TX x 3  |

## Dimension

Unit: mm



## Ordering Information

| Part Number         | CPU | RAM | LAN | PoE | USB 3.0 | USB 2.0 | RS-232/422/485 | Digital I/O | Audio                      | Storage                          | Display             | Expansion              | Mounting  | Power        | Operating Temp. |
|---------------------|-----|-----|-----|-----|---------|---------|----------------|-------------|----------------------------|----------------------------------|---------------------|------------------------|-----------|--------------|-----------------|
| BOXER-6639M-A1-1010 | —   | —   | 3   | 4   | 6       | 2       | 6              | 34 bit      | MIC-In x 1<br>Line-Out x 1 | 2.5" Drive Bay x 2<br>CFast™ x 1 | VGA x 1<br>HDMI x 2 | Full-size Minicard x 2 | Wallmount | 12~36V DC in | -25°C ~ 55°C    |

## Packing List

- Wallmount Bracket x 2
- Screw Package x 1
- Thermal Pad x 3
- Product DVD x 1
- Phoenix Connector x 2
- BOXER-6639M

## Optional Accessories

- **1255902200**  
220W Power Adapter (for 2 or above PoE cameras)
- **1255901202**  
120W Power Adapter (for only 1 PoE camera)
- **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)