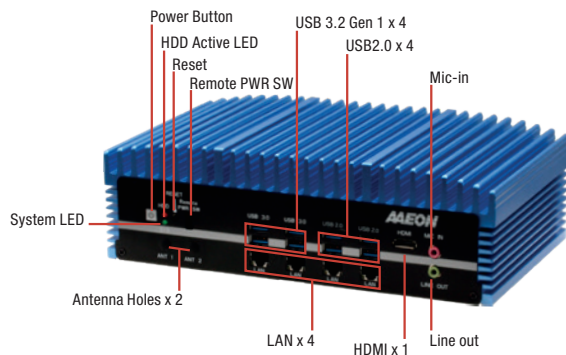
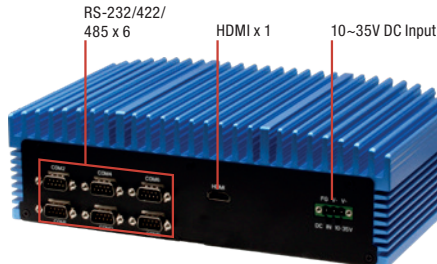


BOXER-6641-A1-1010(H310)

Front View

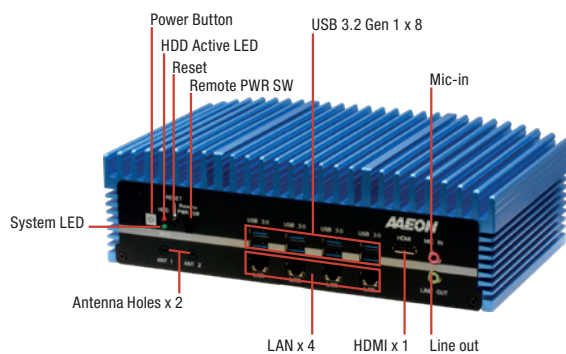


Rear View

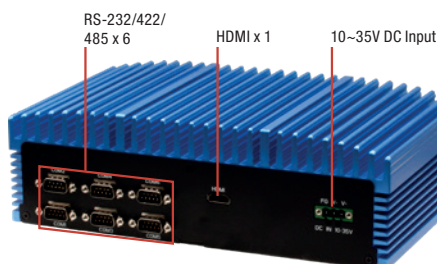


BOXER-6641-A2-1010(C246)

Front View



Rear View



## Features

- Extreme Computing Power & Graphic Display Capability
- Desktop Grade Socket Type Core™ - i3/i5/i7/i9 Processor for A1 model (max. TDP up to 65W)
- Desktop Grade Socket Type Core™ - i3/i5/i7/i9/Xeon® Processor for A2 model (max. TDP up to 71W)
- Supports DDR4 ECC or Non-ECC SODIMM, Up to 64GB
- Supports Intel® GbE LAN x 4 (i211 x 3 + i219 x 1)
- Supports Intel® AMT (A2 Model)
- Supports HDMI x 2 Dual Display
- Supports USB 3.2 Gen 1 x 8 (A2 model)
- Supports BIOS Selectable RS-232/422/485 x 6
- Wide Range DC 10~35V Input

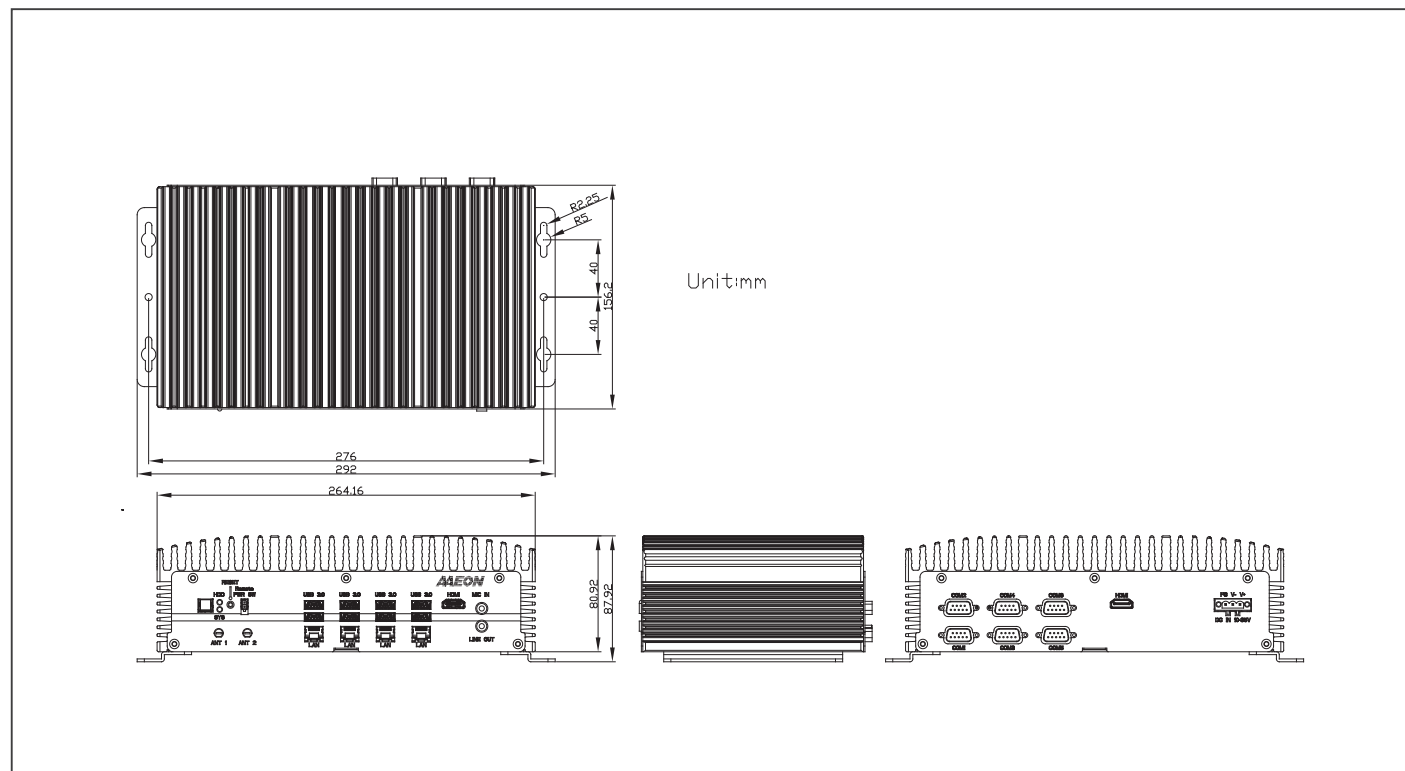


## Specifications

| System                 |                                                                                                                                                                                                                                                                                                                                     |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CPU                    | Intel® Xeon® E-2124G (for A2 model only)<br>Intel® i9-9900T<br>Intel® i7-9700TE<br>Intel® i7-8700T<br>Intel® i5-8500T<br>Intel® i3-8100T<br>Pentium® G5400T<br>Celeron® G4900T                                                                                                                                                      |
| Chipset                | Intel® C246/H310                                                                                                                                                                                                                                                                                                                    |
| System Memory          | DDR4-2666 SO-DIMM slot x 2,<br>Up to 64GB, ECC or Non-ECC Support                                                                                                                                                                                                                                                                   |
| Display Interface      | HDMI x 2                                                                                                                                                                                                                                                                                                                            |
| Storage Device         | 2.5" SATA HDD/SSD Bay x 1 (Optional x 2)                                                                                                                                                                                                                                                                                            |
| Ethernet               | Intel® i211 x 3, i219 x 1                                                                                                                                                                                                                                                                                                           |
| I/O                    | HDMI x 2<br>RJ-45 x 4 for GbE LAN (i211 x 3, i219 x 1)<br>USB 3.2 Gen 1 x 4, USB 2.0 x 4 (A1 model)<br>USB 3.2 Gen 1 x 8 (A2 model)<br>DB-9 x 6 for RS-232/422/485<br>Audio x 1 (MIC-in, Line-out)<br>3 pin 10~35V Power Input x 1<br>Power Button x 1<br>Remote Power switch x 1<br>Reset Button x 1<br>HDD LED x 1<br>SYS LED x 1 |
| Expansion              | Full-size Mini card x 2 (w/ SIM Slot x 1, optional for mSATA x 1)                                                                                                                                                                                                                                                                   |
| Indicator              | HDD LED x 1<br>SYS LED x 1                                                                                                                                                                                                                                                                                                          |
| OS Support             | Windows® 10 64-bit<br>Linux Ubuntu 18.04                                                                                                                                                                                                                                                                                            |
| Power Supply           |                                                                                                                                                                                                                                                                                                                                     |
| Power Requirement      | 3-pin DC Input 10~35V                                                                                                                                                                                                                                                                                                               |
| Mechanical             |                                                                                                                                                                                                                                                                                                                                     |
| Mounting               | Wallmount                                                                                                                                                                                                                                                                                                                           |
| Dimensions (W x H x D) | 10.4" x 3.19" x 6.15" (264.2mm x 80.92mm x 156.2mm)                                                                                                                                                                                                                                                                                 |
| Gross Weight           | 16.4lb (7.0kg)                                                                                                                                                                                                                                                                                                                      |
| Net Weight             | 13.716lb (6.2kg)                                                                                                                                                                                                                                                                                                                    |
| Environmental          |                                                                                                                                                                                                                                                                                                                                     |
| Operating Temperature  | -4°F ~ 131°F (-20°C ~ 55°C) with 0.5 m/s airflow – with TDP ≤ 35W CPU<br>-4°F ~ 113°F (-20°C ~ 45°C) with 0.5 m/s airflow – with TDP > 35W CPU                                                                                                                                                                                      |
| Storage Temperature    | -40°F ~ 176°F (-40°C ~ 80°C)                                                                                                                                                                                                                                                                                                        |
| Storage Humidity       | 5 ~ 95% @ 40°C, non-condensing                                                                                                                                                                                                                                                                                                      |
| Anti-Vibration         | 2 Grms/ 5 ~ 500Hz/ operation – SSD/mSATA<br>1 Grms/ 5 ~ 500Hz/ operation – HDD                                                                                                                                                                                                                                                      |
| Certification          | CE/FCC class A                                                                                                                                                                                                                                                                                                                      |

### Dimension

Unit: mm



### Ordering Information

| Part Number              | LAN | USB 3.2 Gen 1 | USB 2.0 | RS-232 | RS-232/422/485     | Audio              | Storage                                            | Display  | Expansion                          | Mounting  | Power  | Operation temp.                                                                                                                               |
|--------------------------|-----|---------------|---------|--------|--------------------|--------------------|----------------------------------------------------|----------|------------------------------------|-----------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| BOXER-6641-A1-1010(H310) | 4   | 4             | 4       | —      | RS-232/422/485 x 6 | Mic-in<br>Line-out | Internal 2.5" SATA Drive bay x 1<br>(optional x 2) | HDMI x 2 | Full-size Mini-Card x 2<br>SIM x 1 | Wallmount | 10~35V | -4°F ~ 131°F (-20°C ~ 55°C) with 0.5 m/s airflow – with TDP ≤ 35W CPU<br>-4°F ~ 113°F (-20°C ~ 45°C) with 0.5 m/s airflow – with TDP >35W CPU |
| BOXER-6641-A2-1010(C246) | 4   | 8             | —       | —      | RS-232/422/485 x 6 | Mic-in<br>Line-out | Internal 2.5" SATA Drive bay x 1<br>(optional x 2) | HDMI x 2 | Full-size Mini-Card x 2<br>SIM x 1 | Wallmount | 10~35V | -4°F ~ 131°F (-20°C ~ 55°C) with 0.5 m/s airflow – with TDP ≤ 35W CPU<br>-4°F ~ 113°F (-20°C ~ 45°C) with 0.5 m/s airflow – with TDP >35W CPU |

### Packing List

- Wallmount Bracket x 2
- 3 Pin DC-In Power Connector x 1
- Screw Package x 1
- BOXER-6641

### Optional Accessories

- **125590120B**  
120W Power Adapter
- **1255302300**  
230W Power Adapter
- **1702031802**  
Power Cord (US Type)
- **1702031803**  
Power Cord (Europe)
- **170203180E**  
Power Cord (Japan)