

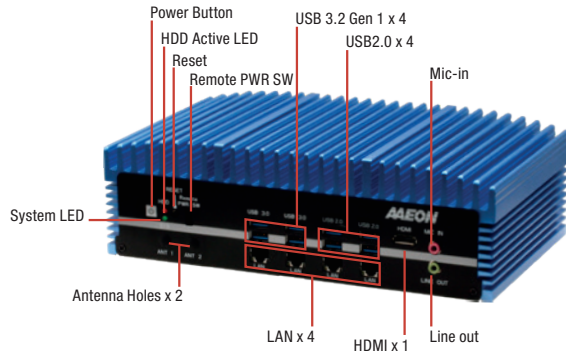
# 04 BOXER-6641

Fanless Embedded Box PC with Socket Type 8th Generation Intel® Processor

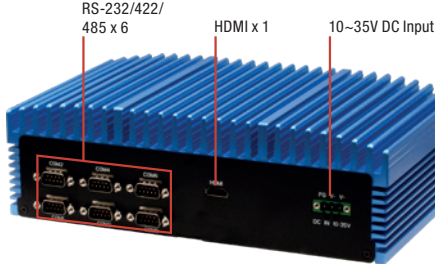
Compact Fanless BOX PC Solutions

**BOXER-6641-A1-1010(H310)**

Front View

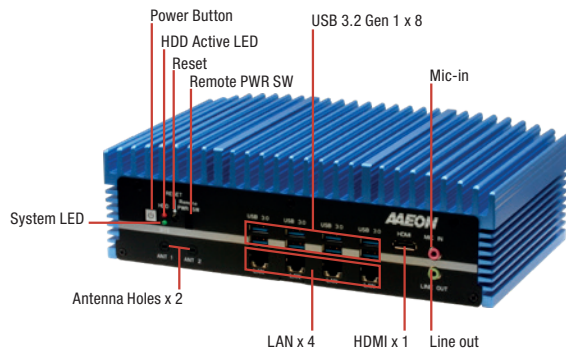


Rear View

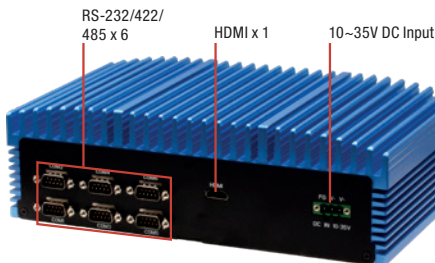


**BOXER-6641-A2-1010(C246)**

Front View



Rear View



## Features

- Extreme Computing Power & Graphic Display Capability
- Desktop Grade Socket Type Core™ - i3/i5/i7® Processor for A1 model (max. TDP up to 65W)
- Desktop Grade Socket Type Core™ - i3/i5/i7/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

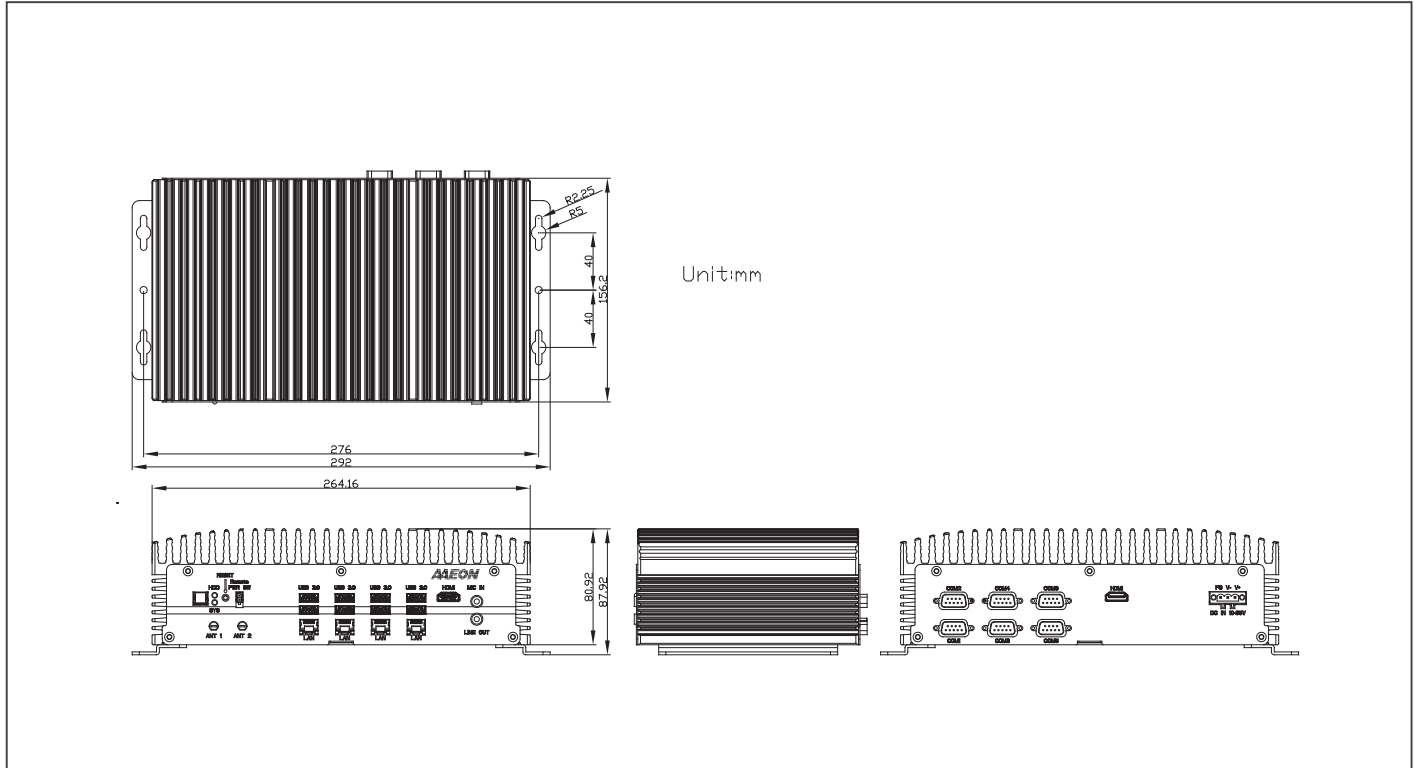


## Specifications

System	
CPU	Intel® Xeon® E-2124G (for A2 model only) Intel® i7-8700T Intel® i5-8500T Intel® i3-8100T Pentium® G5400T Celeron® G4900T
Chipset	Intel® C246/H310
System Memory	DDR4-2666 SO-DIMM slot x 2, 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 RJ-45 x 4 for GbE LAN (i211 x 3, i219 x 1) USB 3.2 Gen 1 x 4, USB2.0 x 4 (A1 model) USB 3.2 Gen 1 x 8 (A2 model) DB-9 x 6 for RS-232/422/485 Audio x 1 (MIC-in, Line-out) 3 pin 10~35V Power Input x 1 Power Button x 1 Remote Power switch x 1 Reset Button x 1 HDD LED x 1 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 SYS LED x 1
OS Support	Windows® 10 64-bit 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 -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 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-232/422/482 x 6	Mic-in Line-out	Internal 2.5" SATA Drive bay x 1 (optional x 2)	HDMI x 2	Full-size Mini-Card x 2 SIM x 1	Wallmount	10~35V	-4°F ~ 131°F (-20°C ~ 55°C) with 0.5 m/s airflow – with TDP ≤ 35W CPU -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-232/422/482 x 6	Mic-in Line-out	Internal 2.5" SATA Drive bay x 1 (optional x 2)	HDMI x 2	Full-size Mini-Card x 2 SIM x 1	Wallmount	10~35V	-4°F ~ 131°F (-20°C ~ 55°C) with 0.5 m/s airflow – with TDP ≤ 35W CPU -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)