

# BOXER-6641-PRO

Fanless Embedded Box PC with Socket Type 8th/9th Generation Intel® Processor



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Front View



Rear View



## Features

- Wide Operating Temperature -40~70°C with “Graphene” Chassis for Extreme Computing Power & Graphic Display Capability
- Desktop Grade Socket Type Core™ - i3/i5/i7 Processor (CPU TDP 35W)
- Supports DDR4 ECC or Non-ECC SODIMM, Up to 64GB
- Supports HDMI x 2 Dual Display
- Supports Intel® GbE LAN x 4 (i211 x 3 + i219 x 1)
- Supports Intel® AMT (A2 Model)
- Supports RAID 0/1 Function (A2 Model)
- Wide Range DC 10~35V Input

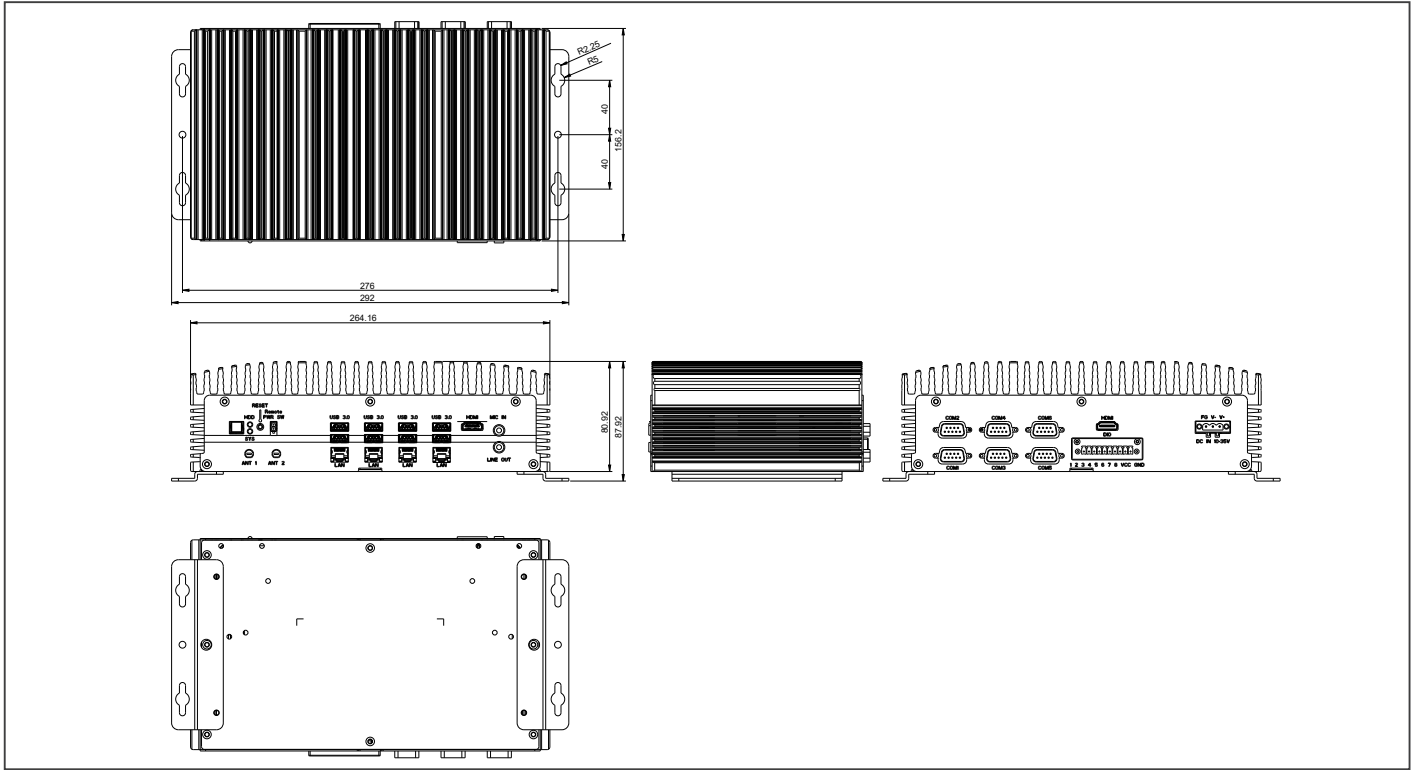


## Specifications

System	
CPU	Intel® i7-9700TE 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 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 10 pin Terminal Block for 8-bit DIO 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
Expansion	Full-size Mini PCIe x 1 Full-size Mini Card x 1 (PCIe/mSATA switch by BIOS, Default: mSATA) SIM slot x 1
Indicator	HDD LED x 1 SYS LED x 1
OS support	Windows® 10 64-bit Linux Ubuntu 20.04.2
Power Supply	
Power Requirement	3-pin DC Input 10~35V
Mechanical	
Mounting	Wall mount kit
Dimensions (W x H x D)	10.4" x 3.19" x 6.15" (264.2mm x 80.92mm x 156.2mm)
Gross Weight	10.4 lb (4.7 kg)
Net Weight	8.2 lb (3.7 kg)
Environmental	
Operating Temperature	-40°F ~ 158°F (-40°C ~ 70°C), according to IEC68-2-14 with 0.5 m/s AirFlow
Storage Temperature	-40°C ~ 80°C
Storage Humidity	5 ~ 95% @ 40C, non-condensing
Anti-Vibration	2 Grms/ 5 ~ 500Hz/ operation (with SSD)
Anti-Shock	—
Certification	CE/FCC class A

## Dimension

Unit: mm



## Ordering Information

Part Number	Chipset	LAN	USB 3.2 Gen 1	USB 2.0	DIO	RS-232/422/485	Audio	Storage	Display	Expansion	Mounting	Power	Operation temp.
BOXER-6641-PRO-A1-1010	H310	4	4	4	8bit	6	Mic-in Line-out	Internal 2.5" SATA Drive bay x 2	HDMI x 2	Full-size Mini-Card x 2 SIM x 1	Wallmount	10~35V	-40°F ~ 158°F (-40°C ~ 70°C), according to IEC68-2-14 with 0.5 m/s AirFlow
BOXER-6641-PRO-A2-1010	C246	4	8	—	8bit	6	Mic-in Line-out	Internal 2.5" SATA Drive bay x 2	HDMI x 2	Full-size Mini-Card x 2 SIM x 1	Wallmount	10~35V	-40°F ~ 158°F (-40°C ~ 70°C), according to IEC68-2-14 with 0.5 m/s AirFlow

## Packing List

- Wallmount Bracket x 2
- 3 Pin DC-in Power Connector x 1
- 10 pin DIO Connector x 1
- Screw Package x 1
- BOXER-6641-PRO

## Optional Accessories

- **125590120B**  
120W Power Adapter
- **1702031802**  
Power Cord (US)
- **1702031803**  
Power Cord (EU)
- **170203180E**  
Power Cord (JP)