

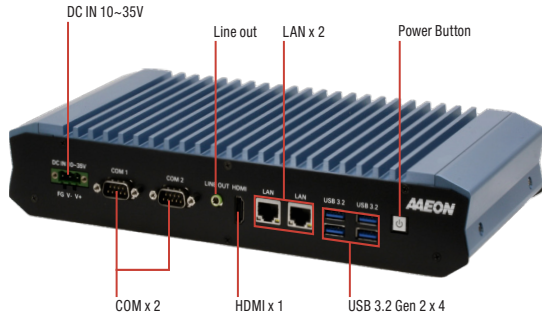
04

# BOXER-6642-CML

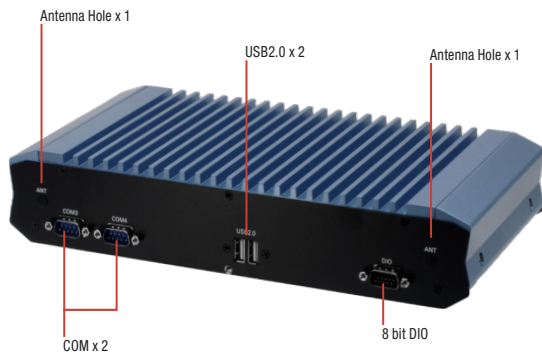
Fanless Embedded Box PC with Socket Type 10th Generation Intel® Core™ Processor

Compact Fanless BOX PC Solutions

Front View



Rear View



## Features

- Extreme Computing Power & Graphic Display Capability
- DDR4 slot x 2, up to 64GB
- Support High Speed NVMe storage (M.2 2280)
- GbE LAN x 2, RS232/422/485 x 4
- Supports Intel® AMT
- Support TPM 2.0
- Wide Range 10-35V DC input
- Wide Range 0 ~ 45°C Operating Temperature



## Specifications

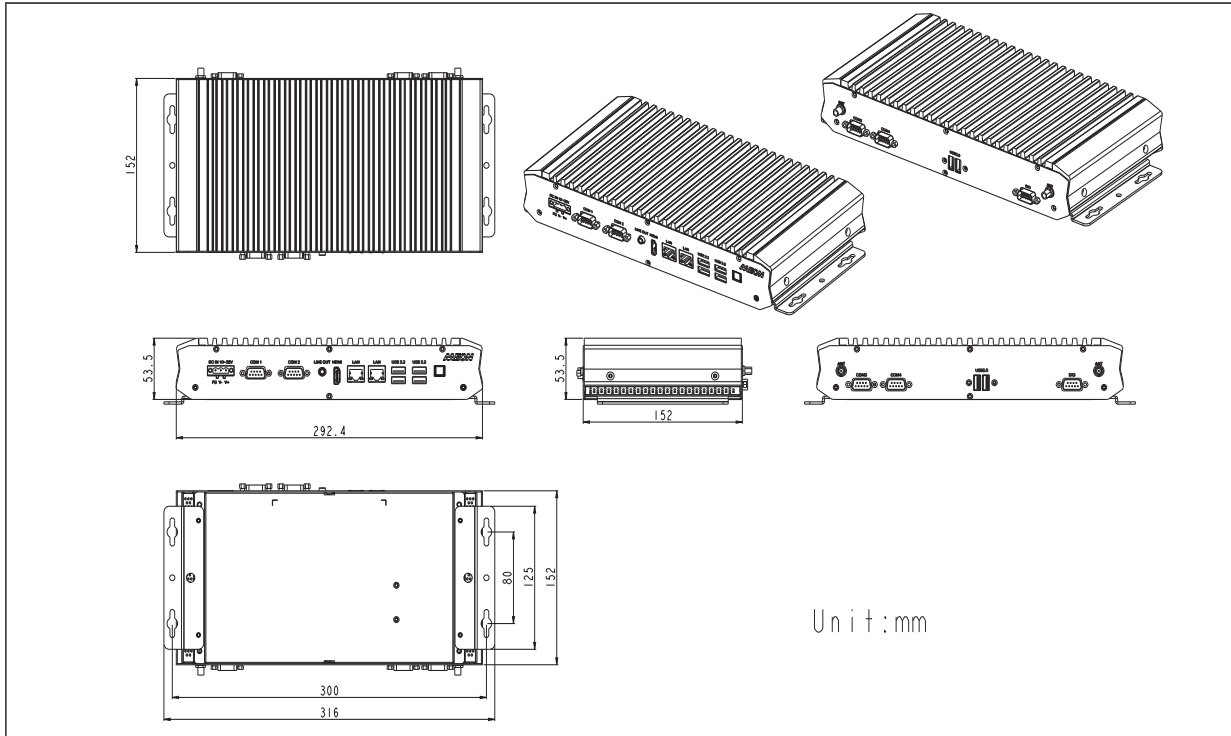
System	
CPU	Intel® Core™ i9-10900TE Intel® Core™ i7-10700TE Intel® Core™ i5-10500TE Intel® Core™ i3-10100TE Intel® Celeron® G5900TE
Chipset	Intel® Q470E
System Memory	DDR4 SO-DIMM x 2, up to 64GB
Display Interface	HDMI 1.4 x 1
Storage Device	M.2 2280 slot x 1 (PCIe4), 2.5" SATA SSD/HDD bay x 1
Ethernet	Intel® i211-AT x 1, i219-LM x 1
I/O	HDMI x 1 RJ-45 x 2 for GbE LAN (i211-AT x 1, i219-LM x 1) USB 3.2 Gen 2 x 4 USB 2.0 x 2 DB-9 x 4 for RS-232/422/485 DB15 x 1 for 8 channel DIO Line out x 1 3 pin 10-35V Power Input x 1 Power Button with LED x 1
Expansion	M.2 2230 E Key x 1 M.2 2280 M Key x 1 Full-Size Mini Card x1 (mSATA/PCIe switch by BIOS, default PCIe) SIM x 1
Indicator	Power LED
OS Support	Windows® 10 IoT Enterprise 64-bit Linux Ubuntu 20.04.2
Power Supply	
Power Requirement	10-35V DC-in with 3-pin terminal block
Mechanical	
Mounting	Wallmount
Dimensions (W x H x D)	11.58" x 5.98" x 2.11" (292.4mm x 152mm x 53.5mm)
Gross Weight	8.4lb (3.8kg)
Net Weight	6.2lb (2.8kg)
Environmental	
Operating Temperature	32°F ~ 113°F (0°C ~ 45°C) (35W CPU), according to IEC68-2-14 with 0.5 m/s AirFlow
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 (with SSD)
Anti-Shock	50G peak acceleration (11msec) (with SSD)
Certification	CE/FCC class A

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## Dimension Unit: mm



## Ordering Information

Part Number	LAN	PCH	USB 3.2 Gen 2	USB 2.0	RS-232/422/485	Storage	Display	Expansion	Mounting	Power	Operation temp.
BOXER-6642-CML-A1-1010	2	Q470E	4	2	4	M.2 2280 M Key x 1 2.5" HDD/SSD Bay x 1	HDMI x 1	M.2 2230 E Key x 1 Full-Size Mini Card x 1	Wall mount kit	10-35V DC-in	0°C ~ 45°C with 0.5m/s airflow

## Packing List

- Wallmount Bracket x 2
- 3 Pin DC-in Power Connector x 1
- Screw Package x 1
- BOXER-6642-CML x 1

## Optional Accessories

- 1255X00059  
120W Power Adapter
- 1255302300  
230W Power Adapter
- 1702031802  
Power Cord (US Type)
- 1702031803  
Power Cord (Europe)
- 170203180E  
Power Cord (Japan)

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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