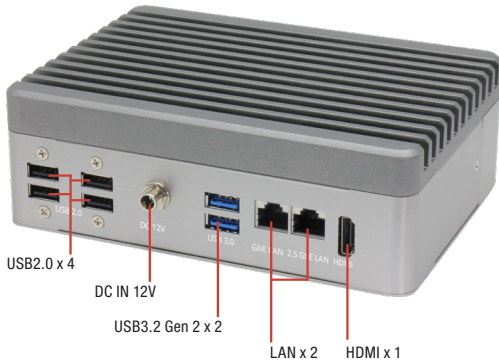


BOXER-6450-TGU

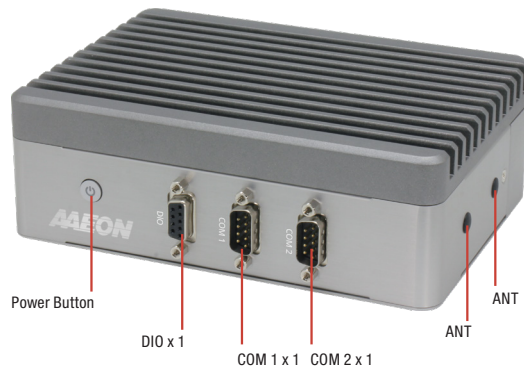
Fanless Compact Embedded Computer with 11th Generation Intel® Core™ i7/i5/i3/Celeron Processor



Front View

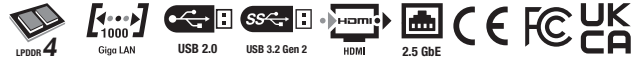


Rear View



Features

- 11th Gen Intel® Core™ i7/i5/i3/Celeron Processor SoC
- LPDDR4x on board memory, Max. 32 GB
- 2.5GbE Intel i225 + 1GbE Intel i219
- M.2 2280 M Key (PCIe x4 GEN4/SATA) x 1
- Slim Boxer Design
- Support Wide Operating Temperature

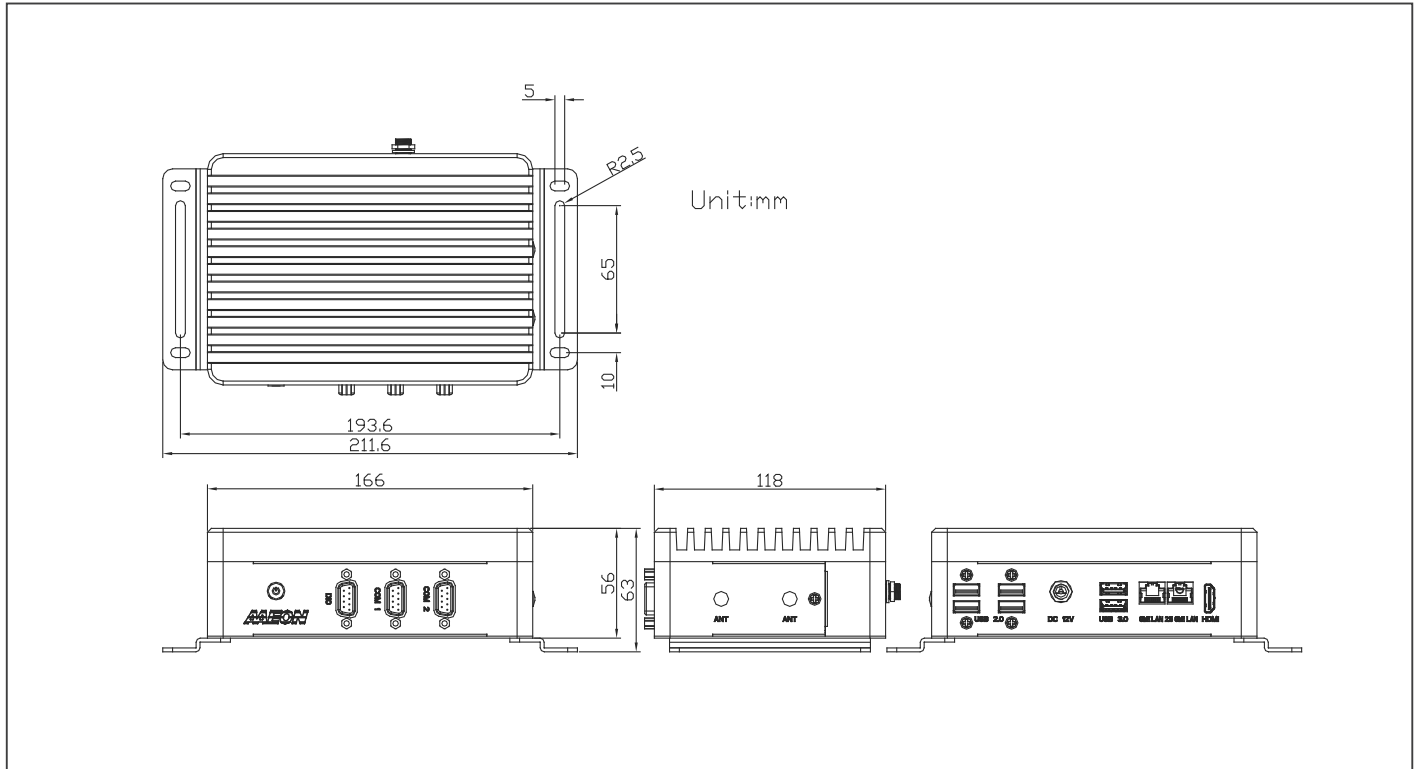


Specifications

System	
CPU	Intel® Core™ i7-1185G7E, 1.80 GHz Intel® Core™ i5-1145G7E, 1.50 GHz Intel® Core™ i3-1115G4E, 2.20 GHz Intel® Celeron® 6305E Processor, 1.80 GHz
Chipset	Intel® System on Chip
System Memory	LPDDR4x max 3200 MHz on board memory. Default 4GB or 8GB, max. up to 32GB by customization
Display Interface	HDMI 2.0b x 1, 4Kx2K 60Hz
Storage Device	2.5" SATA Drive Bay x 1 Full-size Minicard x 1 for mSATA (optional) M.2 2280 NVMe Slot x 1
Ethernet	RJ-45 x 1 for 2.5GbE LAN i225-LM x 1 RJ-45 x 1 for GbE LAN i219-LM x 1
I/O	USB Type-A x 2 for USB 3.2 Gen 2 USB Type-A x 4 for USB 2.0 DB-9 x 2 for RS-232/422/485 SMA Antenna Holes x 2 DB-9 for DIO 4 bit x 1 Power Button x 1
Expansion	M.2 M key 2280 x 1 (PCIe + SATA, PCIe Gen4 default) Full-size Minicard x 1 (PCIe + USB + SATA)
Indicator	System Power LED x 1 (Green)
OS support	Windows® 10, Windows® 10 IoT, Ubuntu 20.04.2
Power Supply	
Power Requirement	DC-in 12V x 1 for Lockable DC Jack
Mechanical	
Mounting	Wallmount
Dimensions (W x H x D)	6.54" x 4.65" x 2.2" (166 mm x 118 mm x 56 mm)
Gross Weight	3.3 lb (1.5Kg)
Net Weight	2.20 lb (1Kg)
Environmental	
Operating Temperature	14°F ~ 131°F (-10°C ~ 55°C), IEC68-2 with 0.5 m/s AirFlow (Turbo boost off)
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Storage Humidity	5 ~ 95% @ 40°C, non-condensing
Anti-Vibration	SSD: Random, 3.5Grms, 5~500Hz
Anti-Shock	SSD: 50G @ wallmount, Half-sine, 11ms
Certification	CE/FCC class A

Dimension

Unit: mm



Ordering Information

Part Number	CPU	MEMORY	LAN	USB 3.2 Gen2	USB 2.0	RS-232	RS-232/422/485	Digital I/O	Audio	Storage	Display	Expansion	Mounting	Power	Operation temp.
BOXER-6450-TGU-A1-1010	Intel® Core™ i7-1185G7E	8G	2	2	4	—	2	4 bit	—	2.5" SATA Drive Bay x 1 Full-size M.2 2280 x 1 for mSATA (optional) M.2 2280 NVMe Slot x 1	HDMI x 1	M.2 M key 2280 x 1 (PCIe + SATA, PCIe Gen4 default) Full-size M.2 2280 x 1 (PCIe + USB + SATA)	Wallmount	DC-in 12V x 1 for Lockable DC Jack	14°F ~ 131°F (-10°C ~ 55°C), IEC68-2 with 0.5 m/s AirFlow (Turbo boost off)
BOXER-6450-TGU-A2-1010	Intel® Core™ i5-1145G7E	8G	2	2	4	—	2	4 bit	—	2.5" SATA Drive Bay x 1 Full-size M.2 2280 x 1 for mSATA (optional) M.2 2280 NVMe Slot x 1	HDMI x 1	M.2 M key 2280 x 1 (PCIe + SATA, PCIe Gen4 default) Full-size M.2 2280 x 1 (PCIe + USB + SATA)	Wallmount	DC-in 12V x 1 for Lockable DC Jack	14°F ~ 131°F (-10°C ~ 55°C), IEC68-2 with 0.5 m/s AirFlow (Turbo boost off)
BOXER-6450-TGU-A3-1010	Intel® Core™ i3-1115G4E	4G	2	2	4	—	2	4 bit	—	2.5" SATA Drive Bay x 1 Full-size M.2 2280 x 1 for mSATA (optional) M.2 2280 NVMe Slot x 1	HDMI x 1	M.2 M key 2280 x 1 (PCIe + SATA, PCIe Gen4 default) Full-size M.2 2280 x 1 (PCIe + USB + SATA)	Wallmount	DC-in 12V x 1 for Lockable DC Jack	14°F ~ 131°F (-10°C ~ 55°C), IEC68-2 with 0.5 m/s AirFlow (Turbo boost off)
BOXER-6450-TGU-A4-1010	Intel® Celeron® 6305E	4G	2	2	4	—	2	4 bit	—	2.5" SATA Drive Bay x 1 Full-size M.2 2280 x 1 for mSATA (optional) M.2 2280 NVMe Slot x 1	HDMI x 1	M.2 M key 2280 x 1 (PCIe + SATA, PCIe Gen4 default) Full-size M.2 2280 x 1 (PCIe + USB + SATA)	Wallmount	DC-in 12V x 1 for Lockable DC Jack	14°F ~ 131°F (-10°C ~ 55°C), IEC68-2 with 0.5 m/s AirFlow (Turbo boost off)

Packing List

- Wallmount Bracket x2
- Screw Package x1
- BOXER-6450-TGU

Optional Accessories

- 125530060Z
60W Power Adapter
- 1702031802
Power Cord (US type)
- 1702031803
Power Cord (European Type)
- 170203180E
Power Cord (Japanese Type)
- 9741324A00
WiFi Module & Antenna
- 9741EG25G0
4G Module & Antenna (for global)