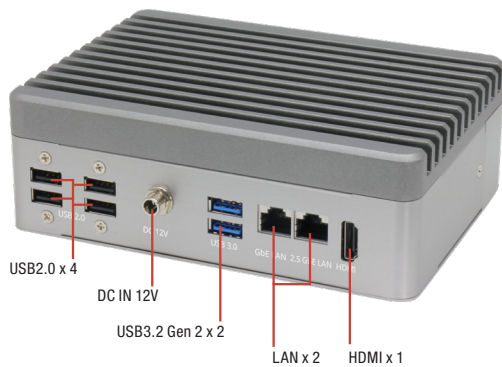


BOXER-6450-TGU

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

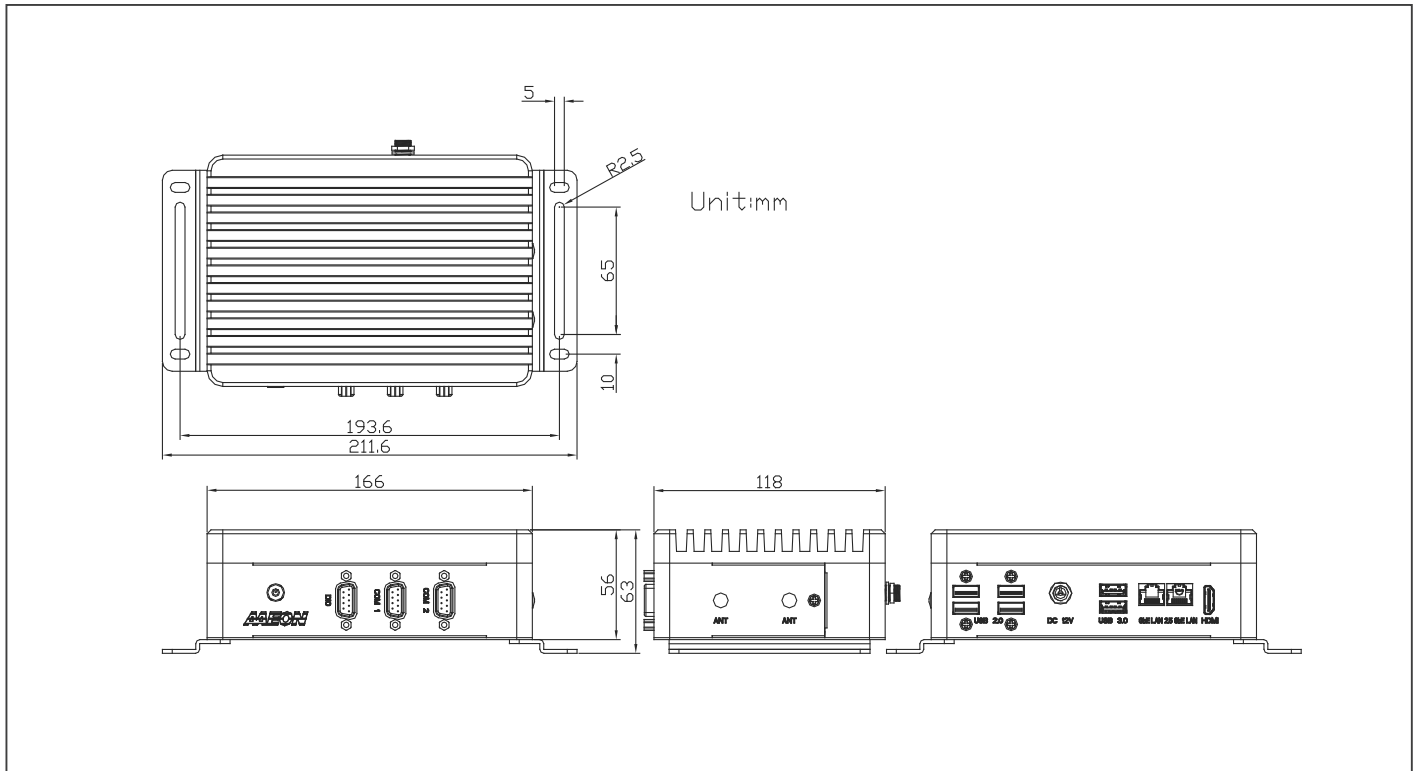


Specifications

| 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 up to 32GB |
| Display Interface | HDMI2.0b 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 USB3.2 Gen2 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 Minicard 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 Minicard 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 Minicard 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 Minicard 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 Minicard 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 Minicard 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 Minicard 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 Minicard 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)