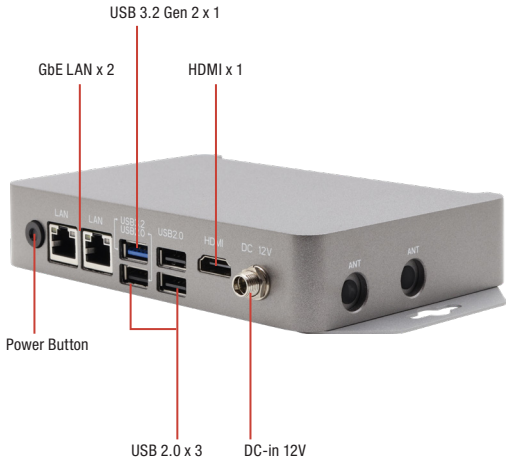
BOXER-6407-TWL

Fanless Compact Embedded Computer with Intel® Processor N-series

Front View



Rear View



Features

- **Ultra-Slim Chassis Design**
- **Intel® Processor N250/N150 (formerly Twin Lake)**
- **DDR5 4800MHz SODIMM x 1, up to 32GB**
- **Display Support: HDMI + VGA**
- **GbE LAN x 2**
- **M.2 2230 E-Key, M.2 3052 B-Key, M.2 2280 M-Key**
- **Onboard TPM 2.0**

DDR 5 | 1000 Giga LAN | PCIe PCI Express | SS USB 3.2 Gen 2 | HDMI | CE | FC | UKCA

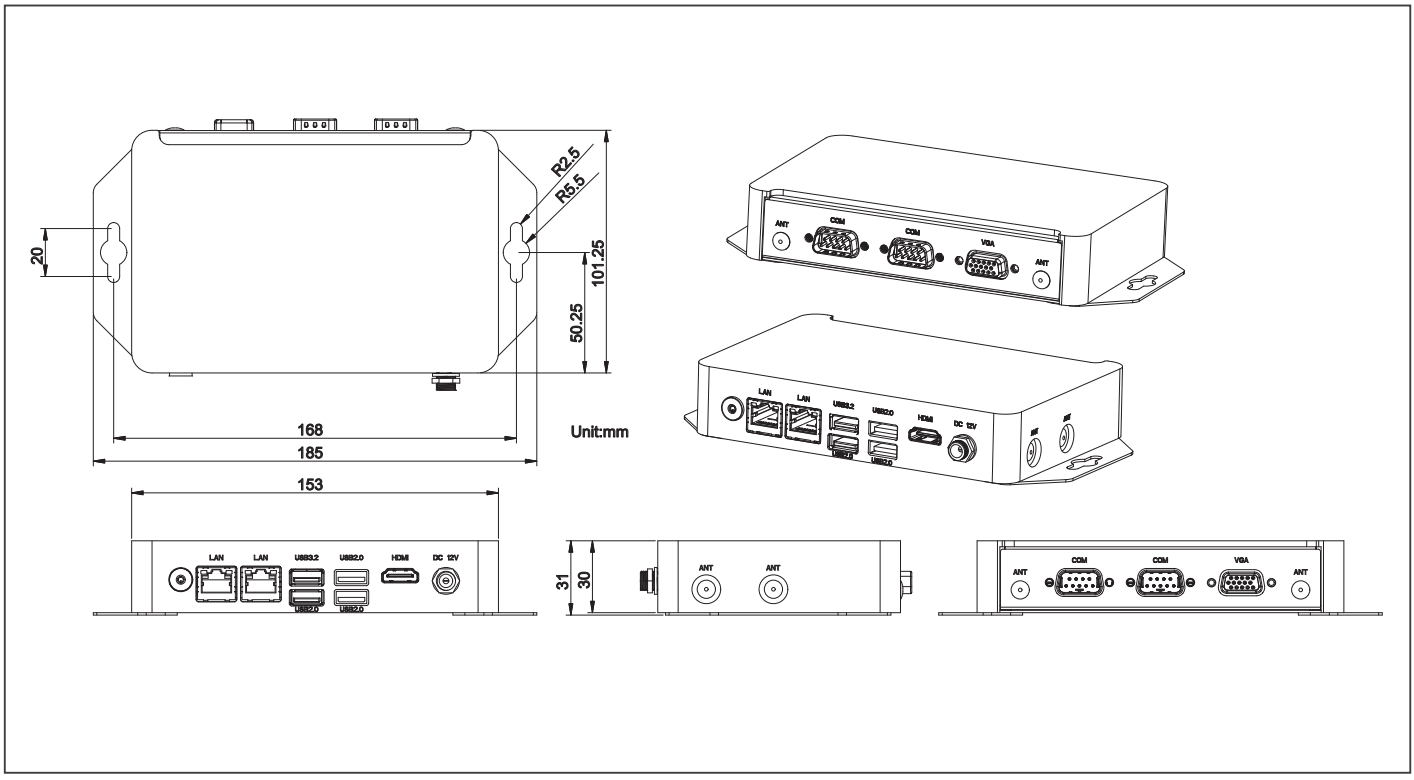
Specifications

System	
CPU	Intel® Processor N series: Intel® Processor N250 (4C/4T, 6W) Intel® Processor N150 (4C/4T, 6W) Intel® Processor X series: Intel Atom® x7213E (2C, 10W)
Chipset	Intel® SoC
System Memory	DDR5 4800MHz SODIMM x 1, up to 32GB
Display Interface	HDMI x 1, up to 4K @60Hz VGA x 1
Storage Device	M.2 2280 M-Key x 1 (PCIe Gen 3 [x2])
Ethernet	RJ-45 x 2 for GbE LAN (Intel® Ethernet Controller I210-AT)
I/O	USB 3.2 Gen 2 x 1 USB 2.0 x 3 DB-9 x 2 for RS-232/422/485 Power Button with Power LED x 1 Antenna Opening x 4
Expansion	M.2 2230 E-Key x1 (PCIe [x1]) M.2 3052 B-Key x 1 (USB 3 + PCIe) SIM Slot x 1 Onboard TPM 2.0
Indicator	Power button with LED
OS support	Windows® 11 PRO/IoT Linux Ubuntu 24.04 and above
Power Supply	
Power Requirement	DC-in 12V with lockable DC jack
Mechanical	
Mounting	Wallmount
Dimensions (W x H x D)	6.02" x 3.98" x 1.18" (153mm x 101mm x 30mm) w/o brackets
Gross Weight	2.95 lb (1.34 kg)
Net Weight	1.21 lb (0.55 kg)
Environmental	
Operating Temperature	-4°F ~ 140°F (-20°C ~ 60°C), IEC60068-2 with 0.7 m/s AirFlow, with wide temp. memory/storage
Storage Temperature	-40°F ~ 176°F (-40°C ~ 80°C)
Storage Humidity	5 ~ 95% @ 40°C, non-condensing
Anti-Vibration	Random, 3 Grms, 5~500Hz, with SSD
Anti-Shock	With SSD: 50 G, IEC 60068-2-27, half sine, 11 ms duration
Certification	CE / FCC class A

Note: All specifications are subject to change without notice.

Dimension

Unit: mm



Ordering Information

Part Number	CPU	PCH	LAN	USB3.2	USB2.0	RS232/422/485	Storage	Display	Expansion	Mounting	Power	Operation Temp
BOXER-6407-TWL-A1-1010	Intel® Processor N150	SoC	2	1	3	2	M.2 2280 M Key x 1	HDMI x 1 VGA x 1	M.2 2230 E-Key x 1 M.2 3052 B-Key x 1	Wallmount	12V DC in	-4°F-140°F (-20°C-60°C) with 0.7 m/s airflow with wide temp.memory/storage
BOXER-6407-TWL-A2-1010	Intel® Processor N250	SoC	2	1	3	2	M.2 2280 M Key x 1	HDMI x 1 VGA x 1	M.2 2230 E-Key x 1 M.2 3052 B-Key x 1	Wallmount	12V DC in	-4°F-140°F (-20°C-60°C) with 0.7 m/s airflow with wide temp.memory/storage
BOXER-6407-TWL-A3-1010	Intel Atom® x7213E	SoC	2	1	3	2	M.2 2280 M Key x 1	HDMI x 1 VGA x 1	M.2 2230 E-Key x 1 M.2 3052 B-Key x 1	Wallmount	12V DC in	-4°F-140°F (-20°C-60°C) with 0.7 m/s airflow with wide temp.memory/storage

Packing List

- **BOXER-6407-TWL x 1**
- **DC Jack Power Adapter x 1**
- **Wallmount Bracket x 2**
- **Screw Package x 1**

Optional Accessories

- **170X000799**
  Power Cord (US type)
- **170X001024**
  Power Cord (European Type)
- **170X000803**
  Power Cord (Japanese Type)