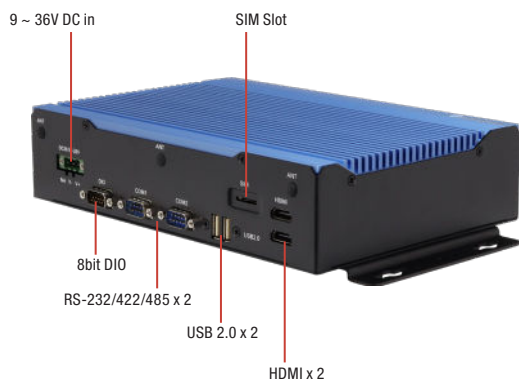


BOXER-6649-RAP PRELIMINARY

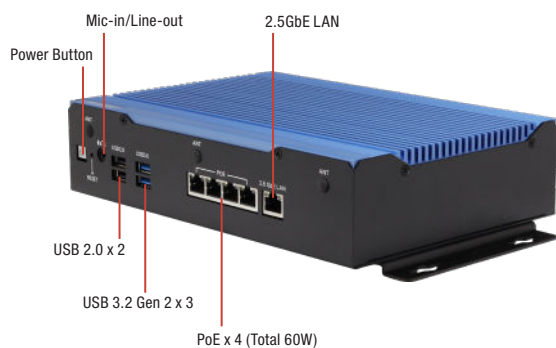


Fanless Compact Embedded Computer with Intel® Core™ 13th i3/i5/i7 Processor

Front View



Rear View



Features

- Intel® Core™ 13th i3/i5/i7 Processor (28W TDP)
- Intel® Iris® Xe Graphics
- Dual-Channel DDR5 SODIMM up to 96GB
- Dual HDMI video output
- Support 2.5G LAN x5 (IEEE 802.3 at PSE x4)
- Wide Range 9~36V DC input with protection circuit
- Wide Operating Temperature -25~60°C
- TPM 2.0 onboard



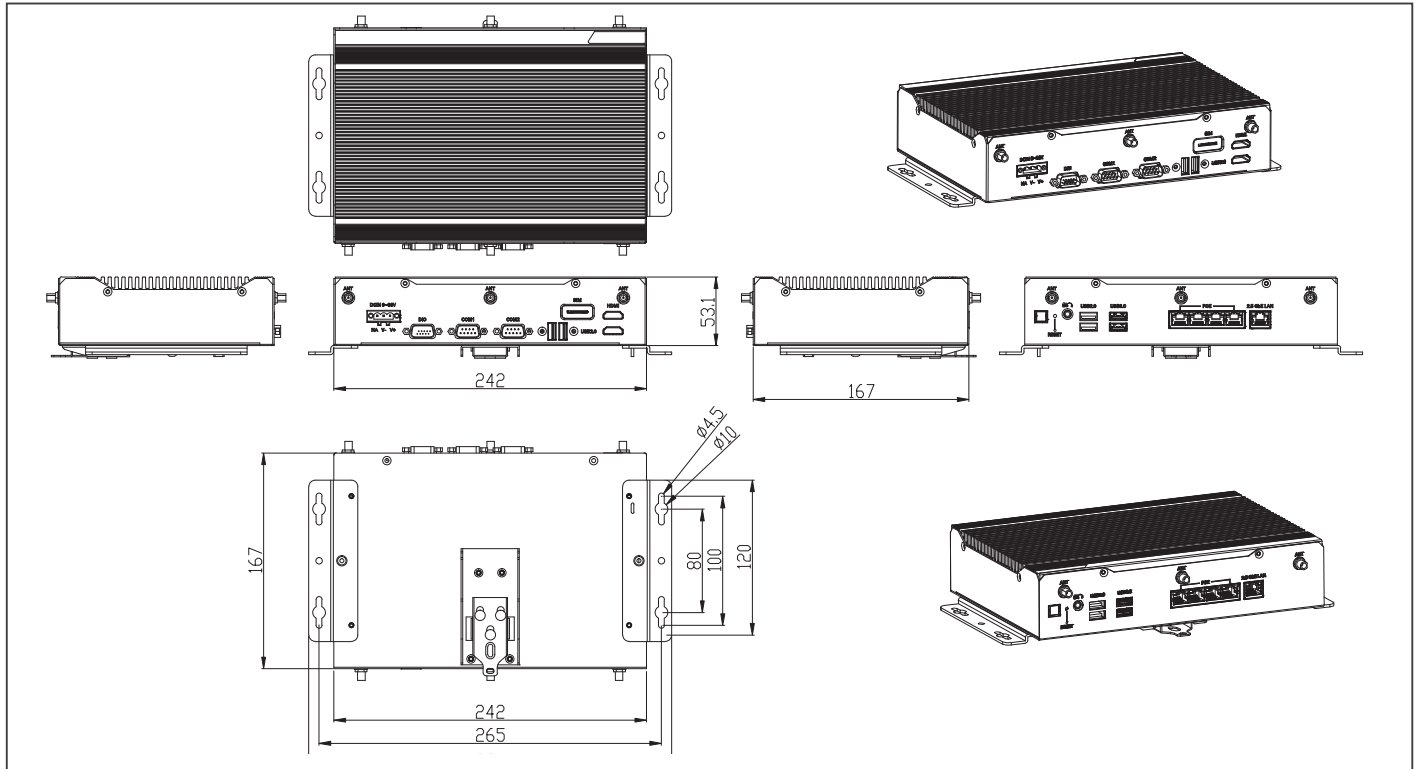
Specifications

System	
CPU	Intel® 13th i3/i5/i7 processor (28W TDP): Intel® Core™ i3-1320PE Intel® Core™ i5-1340PE Intel® Core™ i7-1370PE
Chipset	Intel® SoC
System Memory	DDR5 SODIMM slot x 2, up to 96GB
Display Interface	HDMI x 2
Storage Device	Internal 2.5" SATA Drive Bay x 1 M.2 2280 NVMe Slot x 1 (PCIe Gen4x4)
Ethernet	RJ-45 for 2.5GbE LAN i226-LM x 5 (IEEE802.3 at PoE PSE x 4) *Note: PoE total support 20W while DC input < 12V PoE total support 60W while DC input ≥ 12V
I/O	USB Type-A for USB3.2 Gen2 10G x 2 USB Type-A for USB2.0 x 4 DB-9 for RS-232/422/485 x 2 Mic in / Line out DB15 for DIO 8 bit Power Button with LED indicator x 1
Expansion	M.2 E key 2230 x 1 (PCIe) M.2 B Key 3052 x 1 (USB 3.2 / USB 2.0) SIM slot x 1
Indicator	System Power
OS support	Windows® 10 IoT Enterprise LTSC 2021 Windows® 11 PRO Windows® 11 IoT Enterprise LTSC 2024 Ubuntu 24.04 above
Power Supply	
Power Requirement	DC-in 9~36V in 3pin Terminal block connector With protection circuit
Mechanical	
Mounting	Wallmount, DIN Rail (optional)
Dimensions (W x H x D)	9.5" x 6.6" x 2.1" (242mm x 167mm x 53mm) w/o brackets
Gross Weight	7.1 lb (3.2 Kg)
Net Weight	5.3 lb (2.4 Kg)
Environmental	
Operating Temperature	-13°F ~149°F (-25°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	SSD: Random, 3Grms, 5~500Hz
Anti-Shock	SSD: 50G @ wallmount, Half-sine, 11ms
Certification	CE/FCC class A



Dimension

Unit: mm



Ordering Information

Part Number	CPU	PCH	LAN	USB 3.2	USB 2.0	RS-232/422/485	Storage	Display	Expansion	Mounting	Power	Operation Temp.
BOXER-6649-RAP-A1-1010	Intel® Core™ i3-1320PE	SoC	2.5GbE LAN x 5 (IEEE802.3 at PoE PSE x 4)	2	4	2	M.2 2280 M Key Slot x 1 (NVMe SSD) 2.5" SATA Drive Bay x 1	HDMI x 2	M.2 E key 2230 x 1 (PCIe) M.2 B Key 3052 x 1 (USB3.2/USB2.0) SIM slot x 1	Wallmount, DIN Rail (optional)	9~36V DC in	-13°F ~149°F (-25°C ~ 60°C), IEC60068-2 with 0.7 m/s AirFlow, with wide temp. memory/storage
BOXER-6649-RAP-A2-1010	Intel® Core™ i5-1340PE	SoC	2.5GbE LAN x 5 (IEEE802.3 at PoE PSE x 4)	2	4	2	M.2 2280 M Key Slot x 1 (NVMe SSD) 2.5" SATA Drive Bay x 1	HDMI x 2	M.2 E key 2230 x 1 (PCIe) M.2 B Key 3052 x 1 (USB3.2/USB2.0) SIM slot x 1	Wallmount, DIN Rail (optional)	9~36V DC in	-13°F ~149°F (-25°C ~ 60°C), IEC60068-2 with 0.7 m/s AirFlow, with wide temp. memory/storage
BOXER-6649-RAP-A3-1010	Intel® Core™ i7-1370PE	SoC	2.5GbE LAN x 5 (IEEE802.3 at PoE PSE x 4)	2	4	2	M.2 2280 M Key Slot x 1 (NVMe SSD) 2.5" SATA Drive Bay x 1	HDMI x 2	M.2 E key 2230 x 1 (PCIe) M.2 B Key 3052 x 1 (USB3.2/USB2.0) SIM slot x 1	Wallmount, DIN Rail (optional)	9~36V DC in	-13°F ~149°F (-25°C ~ 60°C), IEC60068-2 with 0.7 m/s AirFlow, with wide temp. memory/storage

Packing List

- BOXER-6649-RAP x 1
- 3pin Terminal Block connntecor x 1 (for DC input)
- Screw Pack x 1
- Wallmount Kit x 1

Optional Accessories

- 1255X00102
180W AC to DC Power Adapter
- 170X000799
Power Cord (US Type)
- 170X000800
Power Cord (Europe)
- 170X000803
Power Cord (Japan)