

BOXER-6751-ADP

DIN Rail Fanless Embedded BOX PC with 12th Generation Intel® Core™ Processors

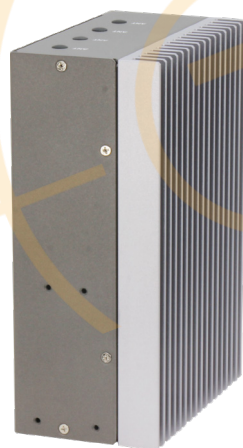
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DIN Rail Fanless BOX PC

Front View



Rear View



Features

- 12th Gen Intel® Core™ Processors
- DDR4 SODIMM, Max. 32GB
- USB 3.2 Gen 2 x 3 + USB 2.0 x 3
- 2.5GbE x 1 (Intel® I226-LM) + GbE x 1 (Intel® I219-LM)
- RS-232/422/485 x 2
- HDMI x 2 Dual Display Output
- 8-bit Digital Input and Output x 1
- M.2 3052 B-Key for 5G
- Onboard TPM 2.0
- Wide 9 ~ 36V DC Input Range With Power Protection
- Wide -20°C ~ 60°C Temperature Range
- DIN Rail Mount Design

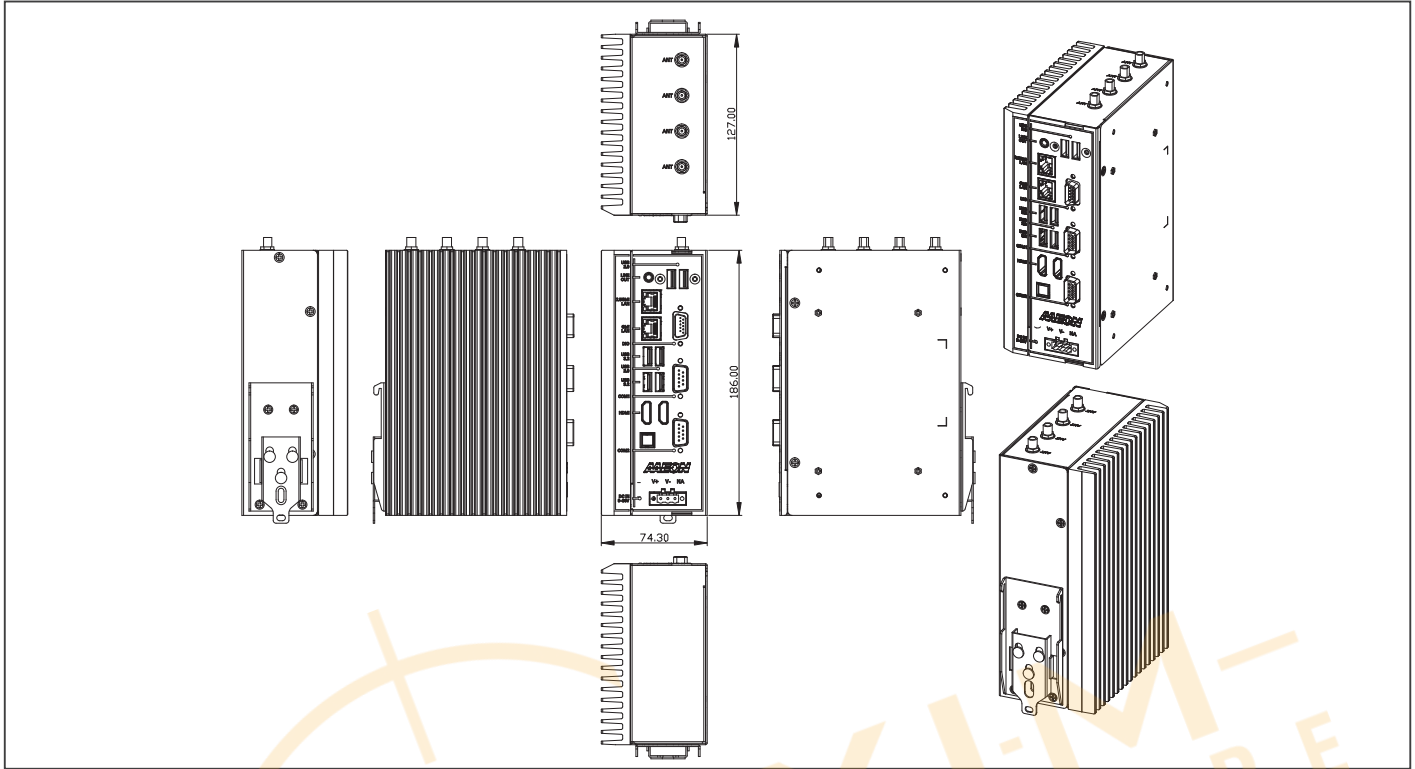


Specifications

System	
CPU	Intel® Core™ i7-1265UE Intel® Core™ i5-1245UE Intel® Core™ i3-1215UE
Chipset	Intel® SoC
System Memory	DDR4 SODIMM x 1, up to 32GB
Display Interface	HDMI 1.4b (Type-A) x 2
Storage Device	2.5" SATA III Drive Bay x 1 M.2 2280 M-Key x 1 (PCIe [x4])
Ethernet	RJ-45 x 1 for Intel® I226-LM, 2.5GbE RJ-45 x 1 for Intel® I219-LM, GbE
I/O	USB 3.2 Gen 2 (Type-A) x 3 USB 2.0 (Type-A) x 3 DB-9 x 2 for RS-232/422/485 DB-15 x 1 for DIO 8-bit HDMI 1.4b (Type-A) x 2 Audio x 1 for Line-Out Power Button x 1 3-pin Terminal Block for DC-in x 1 Antenna Opening x 4
Expansion	M.2 2230 E-Key x 1 (Wi-Fi/BT) M.2 3052 B-Key w/ SIM x 1 (LTE/5G) M.2 2280 M-Key x 1 (NVMe)
Indicator	Power Button with LED
OS Support	Windows® 10 IoT Ent LTSC Windows® 11 PRO Ubuntu 22.04
Power Supply	
Power Requirement	DC 9 - 36V with 3-pin terminal block
Mechanical	
Mounting	DIN Rail Mount Wallmount (Mounting kit is optional)
Dimensions (W x H x D)	2.93" x 7.32" x 5.0" (74.3mm x 186mm x 127mm)
Gross Weight	5.3 lb (2.41 Kg)
Net Weight	3.9 lb (1.77 Kg)
Environmental	
Operating Temperature	-4°F ~ 140°F (-20°C ~ 60°C), IEC68-2 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	With SSD: Random, 3 Grms, 5~500Hz
Certification	CE/FCC class A

Dimension

Unit: mm



Ordering Information

PART NUMBER	CPU	PCH	LAN	USB	RS-232	RS-232/422/485	DIGITAL I/O	AUDIO	STORAGE	DISPLAY	EXPANSION	MOUNTING	POWER	OPERATION TEMP
BOXER-6751-ADP-A1-1010	Intel® Core™ i3-1215UE	Soc	2	USB 3.2 Gen 2 x 3 USB 2.0 x 3	—	2	8-Bit DIO	Line-Out	2.5" SATA-III Drive bay x 1 M.2 2280 M Key NVMe Slot x 1	HDMI x 2	M.2 E-Key 2230 x 1 M.2 B-Key 3052 x 1 w/ SIM Slot x 1	DIN Rail Wallmount (Optional)	9~36V	-20°C ~ 60°C
BOXER-6751-ADP-A2-1010	Intel® Core™ i5-1245UE	Soc	2	USB 3.2 Gen 2 x 3 USB 2.0 x 3	—	2	8-Bit DIO	Line-Out	2.5" SATA-III Drive bay x 1 M.2 2280 M Key NVMe Slot x 1	HDMI x 2	M.2 E-Key 2230 x 1 M.2 B-Key 3052 x 1 w/ SIM Slot x 1	DIN Rail Wallmount (Optional)	9~36V	-20°C ~ 60°C
BOXER-6751-ADP-A3-1010	Intel® Core™ i7-1265UE	Soc	2	USB 3.2 Gen 2 x 3 USB 2.0 x 3	—	2	8-Bit DIO	Line-Out	2.5" SATA-III Drive bay x 1 M.2 2280 M Key NVMe Slot x 1	HDMI x 2	M.2 E-Key 2230 x 1 M.2 B-Key 3052 x 1 w/ SIM Slot x 1	DIN Rail Wallmount (Optional)	9~36V	-20°C ~ 60°C

Packing List

- BOXER-6751-ADP x 1
- DIN Rail Kit x 1
- Screw Package x 1
- 3 Pin DC-In Power Connector x 1

Optional Accessories

- 1702031802
Power Cord (US type)
- 1702031803
Power Cord (European Type)
- 170203180E
Power Cord (Japanese Type)
- 1255X00059
120W Power Adapter

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All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.

Please contact us if you have any questions about the contents of the datasheet.

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