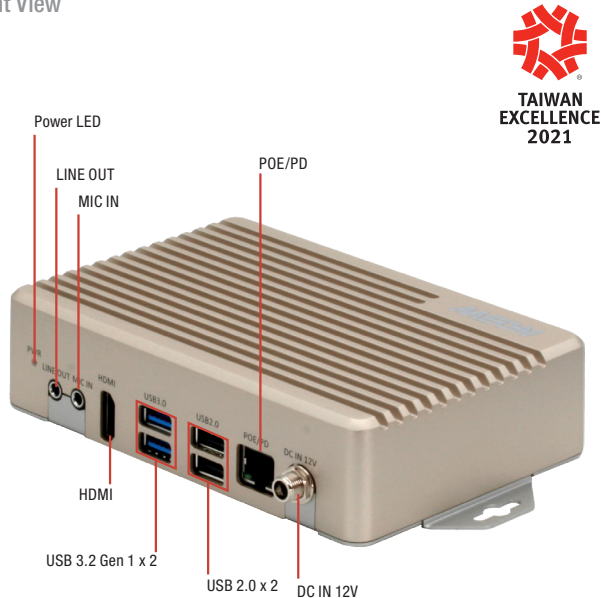


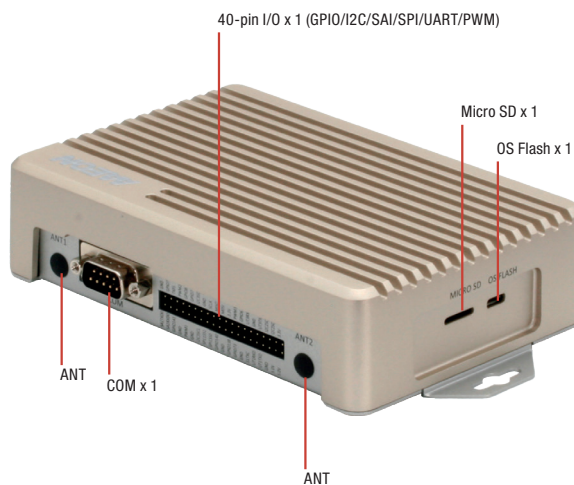
# BOXER-8521AI

AI@Edge Compact Fanless Embedded BOX PC with Google Edge TPU

Front View



Rear View



## Features

- GbE PoE/PD x 1
- USB 3.2 Gen 1 x 2 & USB 2.0 x 2
- Mic-in & Line-out
- Support MEMS x 2 (Optional)
- Built-in WiFi 2x2 MIMO (802.11b/g/n/ac 2.4/5GHz) & Bluetooth 4.1

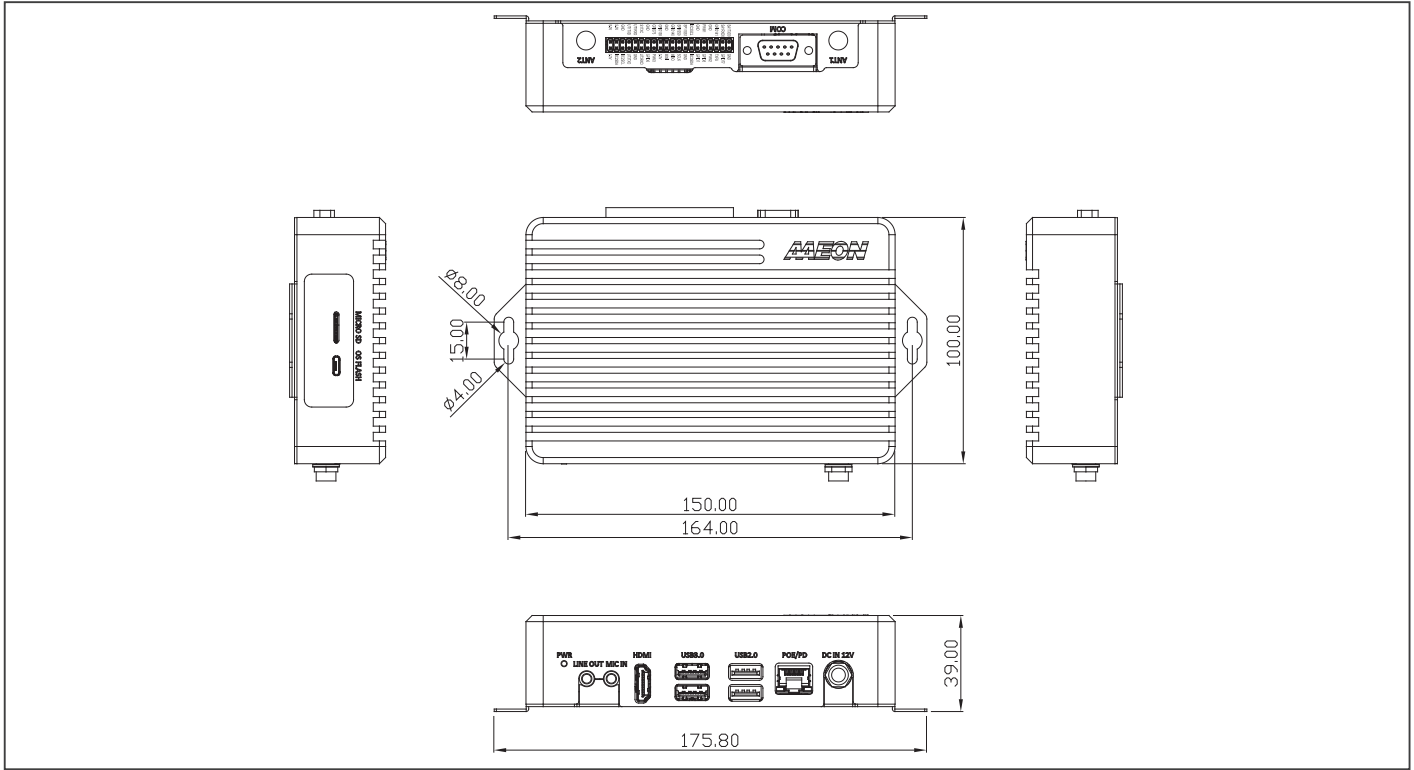


## Specifications

System	
AI Accelerator	Google Edge TPU ML accelerator coprocessor
CPU	NXP i.MX 8M SoC (Quad-core Cortex-A53, plus Cortex-M4F)
System Memory	1GB LPDDR4x
Storage Device	8GB eMMC
Display Interface	HDMI 2.0 x 1
Ethernet	10/100/1000Base-TX x 1
I/O	HDMI 2.0a x 1 USB Type A x 2 for USB 3.2 Gen 1 USB Type A x 2 for USB 2.0 RJ-45 x 1 for GbE LAN & PoE/PD(802.3at) 12Vdc (DC Jack w/lockable) Mic-in x 1 Line-out x 1 40-pin I/O x 1 (GPIO/I2C/SAI/SPI/UART/PWM) DB-9 x 1 for RS-232/485 OS Flash port x 1 (Micro USB) Micro-SD slot x 1
Expansion	—
Indicator	Power LED x 1
OS Support	ACLinux 4.0 (Compatible with Debian 10)
Power Supply	
Power Requirement	PoE/PD (802.3at) 12Vdc (DC Jack w/lockable)
Mechanical	
Mounting	Wallmount
Dimensions (W x D x H)	6.92" x 3.94" x 1.54" (175.8 mm x 100.0 mm x 39.0 mm)
Gross Weight	2.31 lbs. (1.05 kg)
Net Weight	1.28 lbs. (0.58 kg)
Environmental	
Operating Temperature	23°F ~ 122°F (-5°C ~ 50°C, according to IEC60068-2 with 0.5 m/s airflow)
Storage Temperature	-40°F ~ 185°F (-40°C ~ 85°C)
Storage Humidity	95% @ 40°C, non-condensing
Anti-Vibration	Random, 3.5Grms, 5~500Hz
Anti-Shock	50G peak acceleration (11 msec. duration, eMMC, microSD)
Certification	CE/FCC class A

## Dimension

Unit: mm



## Ordering Information

Part Number	AI Accelerator	POE/PD	USB 3.2 Gen 1	RS-232/485	Storage	Display	Mounting	Power	Operation temp.
BOXER-8521AI-A1-1010	Google Edge TPU	1	2	1	8GB eMMC	HDMI x 1	Wallmount	DC 12V	-5°C ~ 50°C with 0.5m/s airflow

## Packing List

- BOXER-8521AI

## Optional Accessories

- 125530060Z  
60W Power Adapter
- 1702031802  
Power Cord (US type)
- 1702031803  
Power Cord (European Type)
- 170203180E  
Power Cord (Japanese Type)