

BOXER-8240AI

AI@Edge Fanless Embedded BOX PC with AGX Xavier

Features

- 512-core Volta GPU with Tensor Cores
- Support RJ-45 x 4 for PoE (802.11af, total 60W)
- Support DB-9 x 2 for RS-232/422/485
- Support GPIO 40 pins, Line in and Line out
- Support M.2 E key and M key



Specifications

System	
AI Accelerator	Nvidia AGX Xavier
CPU	8-core ARM v8.2 64bit CPU, 8MB L2 + 4MB L3
System Memory	32 GB 256-Bit LPDDR4 x 1 137 GB/s
Storage Device	32GB eMMC +M.2 Key M 2280 x1 (PCIe[x4]) +SD/UFS slot
Display Interface	HDMI 2.0
Ethernet	10/100/1000 Base-TX x 1 IEEE 802.11 af PoE LAN x 4
I/O	RJ-45 x 4 for PoE (802.11af, total 60W) USB type C x 2 for USB 3.2 Gen 1 USB type A x 1 for USB 3.2 Gen 1 USB Type A x 1 for USB 2.0 Line-in x 1 Line-out x 1 HDMI type A for HDMI v2.0 x 1 DisplayPort v1.4 x 1 DB-9 x 2 for RS-232/422/485 (By jumper) UFS/SD card slot x 1 2-pin terminal block for 12~24V power input Power ON/OFF switch x 1
Expansion	Expansion header 40-pin (UART + SPI + CAN + I2C + I2S + DMIC + GPIOs) USB 2.0 header x 1 (Optional, circuit reserved) M.2 Key E 2230 x1 for WiFi/Bluetooth (PCIe[x1] + USB) M.2 Key M 2280 x1 (PCIe[x4]) JTAG Connector
Indicator	Power LED x1
OS Support	Linux (AAEON ACLinux 4.9, Compliance with Ubuntu 18.04)
Power Supply	
Power Requirement	DC-in 12~24V with 2-pin terminal block
Mechanical	
Mounting	Wallmount kit (default)
Dimensions (W x D x H)	8.26" x 6.45" x 2.36" (210mm x 164mm x60mm)
Gross Weight	TBD
Net Weight	4.4 lb (2kg)
Environmental	
Operating Temperature	-13°F ~ 131°F (-25°C ~ 55°C, according to IEC60068-2 with 0.5 m/s AirFlow)
Storage Temperature	-4°F ~ 158°F (-40°C ~ 70°C)
Storage Humidity	95% @ 40°C, non-condensing
Anti-Vibration	3 Grms/ 5 ~ 500Hz/ operation – MicroSD or eMMC
Certification	CE/FCC class A

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Dimension

Unit: mm

