

BOXER-8641AI

AI@Edge fanless embedded box PC with NVIDIA® Jetson™ AGX Orin

Features

- NVIDIA® Jetson AGX Orin
- 32GB LPDDR5
- Multi-storage option: 64GB eMMC / MicroSD slot / 2.5" SATA drive bay / M.2 2280 M Key
- Support M.2 E Key / M.2 B Key / M.2 M Key
- 2x GbE LAN

System

CPU	8-core ARM v8.2 64bit CPU, 2MB L2 + 4MB L3
AI accelerator	NVIDIA® Jetson™ AGX Orin
RAM	32GB 256-Bit LPDDR5x 205GB/s
Storage Capacity	1x 64GB eMMC 5.1 1x MicroSD slot 1x SATA drive bay
OS support	Linux (NVIDIA Jetpack 5.0)

I/O

USB	2x USB Type A for USB 3.2 Gen 2 1x USB Type C for USB 3.2 Gen 2 1x USB Type A for USB 2.0
Ethernet	2x RJ-45 for GbE LAN
Serial Ports	2x DB-9 RS-232/422/485
Video	1x HDMI 2.0
Audio	1x Mic-in and line-out
Others	1x MicroSD slot 1x Micro USB for OS Flash 1x Recovery button 1x Power button (& Power LED)

Expansion Slots	1x M.2 E-Key 2230 (for Wifi/BT) 1x M.2 B-Key 3052 x 1 1x M.2 M-Key 2280 (NVMe) 1x 2.5" SATA drive bay
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Mechanical

DC Input	DC 12V~24V
Dimensions	180 mm (W) x 136 mm (D) x 61,1 mm (H)
Weight	3.55kg (gross weight) // 2,5kg (net weight)
Mounting	Wall-mount

Front



Rear



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Environmental

Operating temperature	-20C to 50°C, IEC60068-2 with 0.5 m/s AirFlow
Storage temperature	-40°C ~ 70°C
Storage Humidity	95% @ 40°C, non-condensing
Vibration	Random, 3.5 Grms/ 5 ~ 500Hz
Certification	CE/FCC Class B

Dimensions (mm)

