

# AI-Box TX2



Compact Fanless Embedded Edge System with NVIDIA® JETSON™ TX1/TX2

The cirrus<sup>7</sup> AI-Box is a *high-performance, low-energy machine vision* and *automation* system. Its NVIDIA® Jetson™ TX2 GPU-accelerated parallel CUDA-cores makes it a powerful edge AI-system suitable for a wide range of compute-intensive industrial embedded projects.

## Specifications

Construction	Aluminium, Copper pipes - dust protection IP40
Computing Module	NVIDIA® JETSON™ TX2
CPU	HMP Dual Denver 2/2 MB L2 + Quad ARM® A57/2 MB L2
GPU	NVIDIA® Pascal™, 256 CUDA cores
System Memory	8 GB 128-bit LPDDR4 58,3 GB/sec
System I/O	1 x mini-HDMI 2.0 w/ 4K2K supported 1 x Gigabit Ethernet 1 x USB 2.0 2 x USB 3.0 1 x 12 VDC power input connector 2 x SMA connectors for 802.11ac WLAN and Bluetooth (optional)  1 x CAN Bus (optional) 1 x UART (optional) 1 x I2C (optional)
Storage	Onboard 32GB eMMC (via JETSON™ TX2) 1 x M.2 2280 M-Key with PCIe 2.0 x4 for NVMe SSD (optional) 1 x micro-SD card (optional)



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**Customization is our strength.** The design of the AI-Box TX2 is built fully modular as with our other passively cooled models. We do design and also manufacturing in-house and can provide cost-effective customized solutions at a fast pace.

## Specifications

Operating Temperature	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 95%, non-condensing
Dimensions	155 mm x 120 mm x 49 mm
OS Support	Linux Ubuntu (via NVIDIA Jetpack)
Power Consumption	Idle Load: < 4W Full Load: 8-10W
Mounting Options	DIN-rail mount (optional) VESA arm mount (optional) Wall mount (optional)
Other options	Redundant power input (for second power supply or UPS) DIN-rail type power supply

## Packing List

- 1 x cirrus7 AI-BOX with NVIDIA® JETSON™ TX2
- 1 x power supply
- 2 x Antennas for WLAN (optional)
- 1 x USB host cable

