TRUSTED TECHNOLOGY SOLUTIONS

TBOX – AI400

Durable, low-cost, secure, mobile, multi-function AI computing device

The **TBOX–AI400** is a rugged, fanless edge-AI computing platform engineered to bring data-center-class inference to the field. Built around up to four NVIDIA Jetson modules in a compact anodized-aluminum chassis, it consolidates License Plate Recognition, Facial Recognition, Video Surveillance and LIDAR into a single device—replacing several costly, single-purpose units. Linux-based with full OpenCV and NVIDIA JetPack support, the TBOX is built for developers, law enforcement, and enterprise deployments that demand performance, security, and value.

Why TBOX

Robust
Rugged, fanless, passively-cooled aluminum chassis built for harsh mobile and field deployments.

Scalable
Supports 1–4 Jetson NVIDIA SOM processing units in a single compact unit.

AI Possibilities
Linux-based with NVIDIA JetPack and OpenCV support for AI developers.

Flexibility
Runs commercial off-the-shelf (COTS) NVIDIA System-on-Module hardware.

Cost Effective
Displaces over-engineered, overpriced single-function units in law enforcement and enterprise.

Fast Security
Runs NVIDIA Morpheus, a GPU-accelerated framework for building and scaling cybersecurity AI.

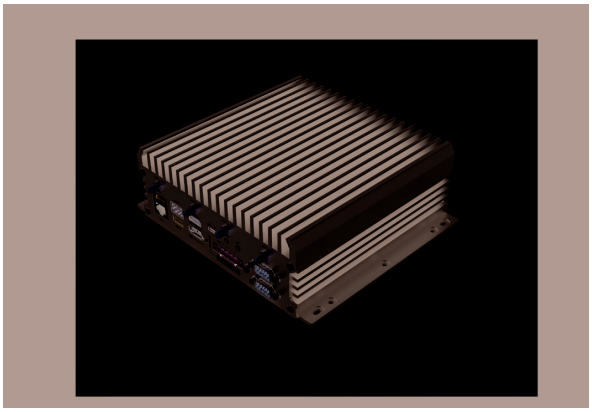
One Device. Many Missions.

- License Plate Recognition (ALPR)
- Facial Recognition
- Video Surveillance
- LIDAR Processing
- Edge AI / Computer Vision
- Cybersecurity AI

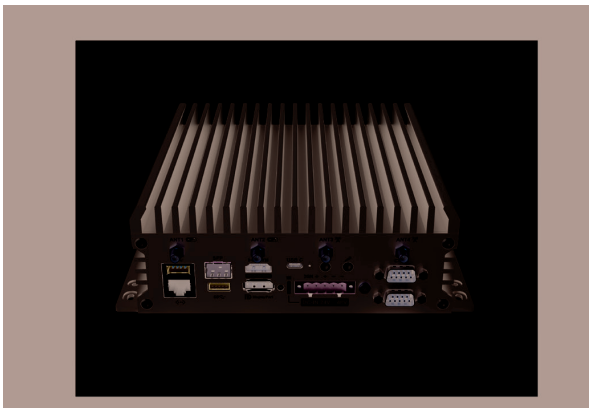
Hardware Specifications

AI Processing	Up to 4 Jetson NVIDIA modules (TX2 NX, Xavier NX, Orin); 1 Master Jetson
Networking	1x WAN Gigabit Ethernet | 1x SFP+ / SFP socket
Camera (PoE)	4x PoE Gigabit Ethernet ports, 25W per port (50W option)
Display	1x HDMI and 1x DisplayPort to Master Jetson
Serial / I-O	2x COM Terminal ports | Real-Time Clock (RTC)
Firmware	1x USB-C for firmware update and debug across all Jetson modules
Storage	2x replaceable 2.5" SSD slots with RAID support (HW/SW)
Power	DC 24–48V input | 192W
Connectivity	Optional dual LTE/5G with dual SIM and Wi-Fi (expansion)
Software	Embedded Linux (Kernel 4.9+), NVIDIA JetPack 4.6+ (CUDA, cuDNN, TensorRT)
Enclosure	Anodized aluminum, passive heat sink | 198 x 185 x 65 mm

Built for the Field



Angled view — rear I/O and mounting flanges



Rear panel — WAN, SFP+, HDMI/DP, COM and antennas

Ready to displace over-engineered, overpriced hardware?

Contact us at info@trustedtechnology.ai to request a demo or quote.