1498.00 EUR
incl. 19% VAT, plus shipping

- NVidia Orin Nano !
- 8GB RAM !
- 480 GB SSD !
- 2x RJ45 !

Support: Specifications

Elevate your next-gen application with IBOX-600, an Edge AI computer powered by NVIDIA Jetson NX AI platform. Driven by ARM 8-core Cortex-A78E processor, 1024 NVIDIA CUDA cores, and 32 Tensor cores, IBOX-600 is perfect for intelligent transportation infrastructure and advanced driver assistance systems, enabling high-performance Edge AI application.

IBOX-600 features versatile expansion slots and 2 high-speed Ethernet ports, supporting a wide input voltage range. These features come in one compact chassis with fanless thermal design, allowing effortless installation in limited space.

Preinstalls with NVIDIA JetPack, IBOX-600 comes equipped with comprehensive software tools for artificial intelligence and Machine Learning development, including CUDA Toolkit, TensorRT, cuDNN, and multimedia API. SINTRONES's robust system synergizes with NVIDIA's extensive resources, accelerating the overall implementing time of Edge AI system.

- ARM® Cortex®-A78AE 6-core Processor
- 1024 NVIDIA® CUDA® Cores, 32 Tensor Cores

- 3 x M.2 Slots for Wi-Fi / WWAN / SSD Expansion
- 1 x CAN FD for Vehicle Connection
- JetPack™ SDK Includes Development Tools
- Wide-range Power Input 9~60VDC with Smart Power Management
- Wide-range Operating Temperature -25°C~70°C

System	
Module	**NVIDIA® Jetson Orin™ Nano 8GB – 40 TOPS** **(1024 CUDA cores + 6-core ARM Cortex-A78AE CPU + 8GB LPDDR5)**
Security	**Internal Security Subsystem with TrustZone**
Interface	**2 x RJ-45 for 1 x 2.5GbE & 1 x GbE** **2 x USB 3.2 Type-A** **1 x HDMI 2.1 Type-A Supports 3840 x 2160@30Hz** **1 x HD Audio from the HDMI** **1 x DB-9 for RS-232/422/485** **1 x CAN FD** **1 x DB-9 for 4 x DI / 4 x DO** **1 x USB Type-C for System Recovery (Device only)** **1 x Nano SIM Card Slot** **5 x Pre-cut Holes for External SMA Antenna** **High-capacity Coin Cell Battery for RTC** **UPS for System Power Backup**
INTERNAL EXPANSION	**• 1 x M.2 2230 Key E slot** **• 1 x M.2 3042/52 Key B slot** **• 1 x mPCIe Full-size slot (USB 2.0 supported)**
STORAGE (Internal)	**1 x 480GB NVMe SSD (Pre-Installed)**
Operating System / SDK	**NVIDIA® JetPack 5.1.1 SDK includes Jetson Linux, CUDA 11.4, TensorRT 8.5.2, cuDNN 8.6.0**
Operating Temp.	**-25 ~ 70ºC, ambient w/ 0.6m/s airflow** ***Operating temp. varies by accessories installed.**
Storage Temp.	**-40 ~ 80ºC**
Relative Humidity	**10% RH – 90% RH (non-condensing)**
Certification / Standard	**CE, FCC Part-15 Class A, E-mark*, EN50155*, EN45545 (R25)*** ***Ongoing**
Vibration	**• Random – IEC60068-2-64, random, 2.5G@5~500Hz, 1hr/axis** **• MIL-STD-810G – Method 514.6, Procedure I, Category 4**
Shock	**MIL-STD-810G, Method 516.6, Procedure I, Trucks and semi-trailers=15G (11ms) with SSD**
Power Input	**1 x DC 9 ~ 60V with Power Management, OCP and OVP**

	Aluminum Alloy
	Fanless Passive Cooling Design
Mechanical	**DIN-rail, Wall Mount**
	1370 g
	150 mm (L) x 135 mm (W) x 66 mm (H)
Availability	**Jetson Orin SoM Lifecycle is available through January 2030**