2939.00 EUR
incl. 19% VAT, plus shipping

- IP66 !
- NVidia Orin NX !
- 16GB RAM !
- 480 GB SSD !

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 8-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™ NX 16GB – 100 TOPS (1024 CUDA cores + 8-core ARM Cortex-A78AE CPU + 16 GB 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 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
Ingress Protection	IP66
Power Input	• 1 x M12 K-coded for DC-in 9~ 60V • Support Smart Power Management, OCP, and OVP
Mechanical	Aluminum Alloy Fanless Passive Cooling Design Wall Mount 1400 g 150 mm (L) x 135 mm (W) x 66 mm (H)