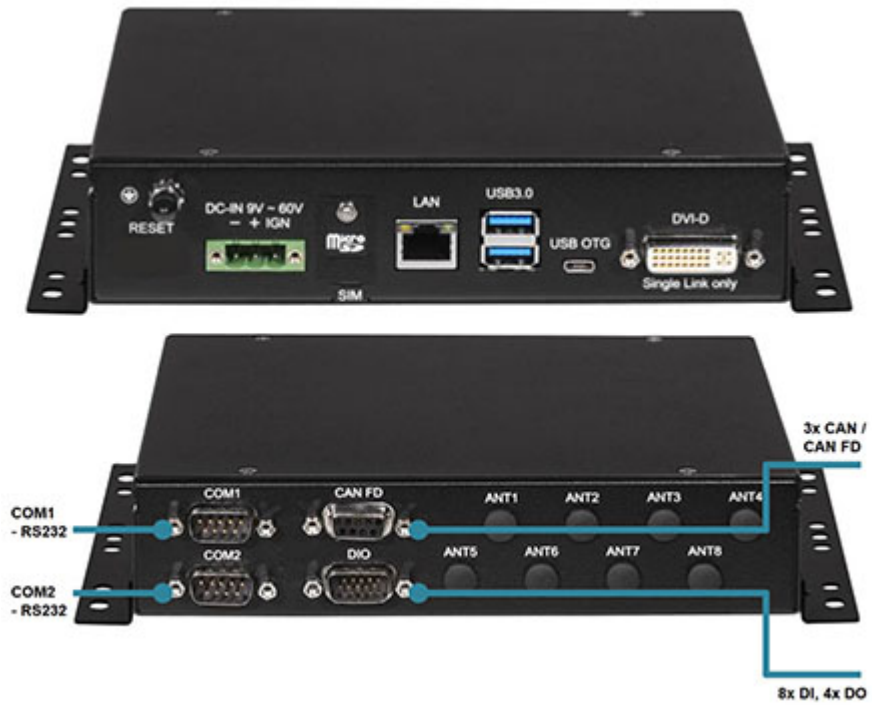

959.00 EUR
incl. 19% VAT, plus shipping

- NXP i.MX !
- 8x DI / 4x DO !
- CAN-BUS / CAN FD !

Support: Specifications

IBOX-500 is an ultra-compact fanless in-vehicle Computer with 5G or LTE connectivity. It utilizes NXP i.MX 8QuadXPlus Automotive AEC-Q100 Grade 3 Processor up to 1.2 GHz. IBOX-500 features an ultra-compact design which can easily fit into restricted spaces. As robust connectivity, the sytem can select 5G, LTE, GPS, and WIFI / Bluetooth by M.2 modules. It is the perfect solution for digital cluster and intelligent cockpit, and fleet management. Furthermore, it features smarter vehicle power Ignition and it can also effectively spport cars in extreme weather and operating conditions, such as snowplows, Trucks, Buses, taxis, and Forklifts.

- Fanless
- NXP i.MX 8quadXPlus Automotive SoC (AEC-Q100 Grade 3)
- On-board LPDDR4 3GB and eMMC 5.1 32GB
- Built-in Accelerometer, Gyroscope, and Magnetic Sensor
- 3x CAN / CAN FD
- 1x DVI-D Single-Link (SINTRONES proprietary pin define)
- 8x DI, and 4x DO and 2x RS232
- 1x M.2 3042/3052 Key B, 1x M.2 2242 Key B, 1x M.2 Key A-E
- 1x Micro-SD SLot
- 9-60V DC Power Input
- Operating Temp.: -40 - 70°C
- Optional 4G, 5G, WLAN, BT, GPS (M.2 modules)

Dimensions	214mm x 150mm x 43mm, 1000g (Barebone)
Temperature	Operating : -40 - 70°C, ambient w/ 0.6m/s airflow Storage Temp: -40 - 80°C Relative Humidity: 10% RH - 90% RH (non-condensing)
CPU	NXP i.MX 8QuadXPlus Automotive SoC (AEC-Q100 Grade 3) Integrated 4x ARM Cortex-A35 cores Up to 1.2 GHz 1x ARM Cortex-M4F Core Up to 264 MHz
Memory	On-board LPDDR4 3GB / eMMC 5.1 32GB
Sensor	Build-in Accelerometer, Gyroscope and Magnetic Sensor

Watchdog	1 - 255 Level Reset
Graphics (CPU Guilt-in)	1x GC70000Lite with 4x Vec4 shader cores (16 execution units) Max Resolution (DVI-D Single Link): 1920x1080 @ 60Hz
Inputs / Outputs	2x USB 3.2 5Gbps 1x USB 2.0 OTG 1x RJ-45 for GbE 1x DVI-D Single Link 1x RS232 8x DI (5-60VDC) 4x DO (5VDC, 100mA) 3x CAN / CAN FD 1x MicroSD Slot Internal: 1x M.2 3042/3052 Key B for WWAN w/1 x nano SIM 1x M.2 2242 Key B for GPS 1x M.2 Key A-E for WIFI
Vibration (with SSD) and Shock	IEC60068-2-64 Random, 2.5G@5-500Hz, 1hr/axis MIL-STD-810G, Method 514.6, Procedure I, Cat.4, Operating Operating MIL-STD-810G Method 516.6, Procedure, Trucks and semi-trailers=15G (11ms) with SSD
Certifications	CE, FCC Class A, E13, ECE R118
Power Input:	9V-60V DC Power INput Automatics Recovery Short Circuit Protection Vehicle Power Ignition for Variety Vehicle Power off Delay Timer setting by Software