



0.00 EUR

incl. 19% VAT, plus shipping

- NVidia Jetson Orin NX !
- 16GB RAM !
- 4 x GMSL-2 / Model M12 !



- NVIDIA® Jetson Orin™ NX SoM with 1024 CUDA Cores
- 4 x GMSL Cameras Support
- 2 x Ethernet with M12 Connectors
- 1 x CAN FD for Vehicle Connection
- 9-60VDC Input with Built-in Smart Power Management
- -25°C ~ 70°C Operating with Fanless Design
- Watchdog for System Monitoring

System	IBOX-601-G2-00-ONX16 NVIDIA® Jetson Orin™ NX 16GB / VDB-100 / 4 x GMSL-2 / Model M12
Module	NVIDIA® Jetson Orin™ NX 16GB (1024 CUDA cores + 8-core ARM Cortex-A78AE CPU + 16 GB LPDDR5)
Security	Platform Security Controller (PSC), Security Engine (SE)

System	IBOX-601-G2-00-ONX16 NVIDIA® Jetson Orin™ NX 16GB / VDB-100 / 4 x GMSL-2 / Model M12
	<ul style="list-style-type: none"> - 2 x M12 X-coded for 1 x 2.5GbE & 1 x GbE (Intel® 2.5GbE, SoM Built-in GbE) - 2 x USB 3.2 Type-A * Two ports share 10Gbps bandwidth - 1 x HDMI Type-A output supports 4K resolution - 1 x HD Audio from the HDMI
Interface	<ul style="list-style-type: none"> - 1 x DB-9 for RS-232/422/485 - 4 x FAKRA for GMSL-2 cameras - 1 x DB-9 for CAN FD - 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
INTERNAL EXPANSION	<ul style="list-style-type: none"> • 1 x M.2 2230 Key E slot <ul style="list-style-type: none"> • 1 x M.2 3042/52 Key B slot (USB3.0) with nano SIM card slot • • 1 x mPCIe full-size slot (USB.2.0 supported)
STORAGE (Internal)	<ul style="list-style-type: none"> • 1 x M.2 2280 Key M slot supports NVMe SSD (Pre-installed system B
Operating System / SDK	NVIDIA® JetPack including Jetson Linux, NVIDIA® development tools
Operating Temp.	-25°C ~ 70°C (-13°F ~ 158°F), ambient w/ 0.6m/s airflow *Operating temp. varies by accessories installed.

System	IBOX-601-G2-00-ONX16 NVIDIA® Jetson Orin™ NX 16GB / VDB-100 / 4 x GMSL-2 / Model M12
Storage Temp.	-40°C ~ 80°C (-40°F ~ 176°F)
Relative Humidity	10% RH – 90% RH (non-condensing)
Certification / Standard	CE, FCC Part-15 Class A, E-mark, EN50155, EN45545-2 (R25)
Vibration	<ul style="list-style-type: none"> • 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=15 (11ms) with SSD
Power Input	<ul style="list-style-type: none"> • 1 x M12 K-coded for DC-IN 9 ~ 60V • Supports Smart Power Management, OCP and OVP
Mechanical	Aluminum Alloy Fanless Passive Cooling Design DIN-Rail, Wall Mount 1770 g 150 mm (L) x 135 mm (W) x 77 mm (H)
Optional Accessories	WI-FI: M.2 2230 Wi-Fi Module WWAN Modem: M.2 3042/52 WWAN Modem GPS: mPCIe GPS Module UPS: BAT-2300v2 GMSL Camera: 2MP 63.9° - Sony IMX390 2MP, 63.9°, GMSL-2 2MP 120.6° - Sony IMX390 2MP, 120.6°, GMSL-2 2MP 186.0° - Sony IMX390 2MP, 186.0°, GMSL-2