



0.00 EUR

incl. 19% VAT, plus shipping

- **NVidia Jetson Orin NX !**
- **8GB 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-G2-01-ONX8 NVIDIA® Jetson Orin™ NX 8GB / VDB-101 / 4 x GMSL-2 / Model M12
Module	NVIDIA® Jetson Orin™ NX 8GB (1024 CUDA cores + 6-core ARM Cortex-A78AE CPU + 8 GB LPDDR5)
Security	Platform Security Controller (PSC), Security Engine (SE)

System	<p>IBOX-601-G2-01-ONX8 NVIDIA® Jetson Orin™ NX 8GB / VDB-101 / 4 x GMSL-2 / Model M12</p> <p>- 2 x M12 X-coded for 1 x 2.5GbE & 1 x GbE (Intel® 2.5GbE, SoM Built-in GbE)</p> <p>- 2 x USB 3.2 Type-A * Two ports share 10Gbps bandwidth</p> <p>- 1 x HDMI Type-A output supports 4K resolution</p> <p>- 1 x HD Audio from the HDMI</p>
Interface	<p>- 1 x DB-9 for RS-232/422/485</p> <p>- 4 x FAKRA for GMSL-2 cameras</p> <p>- 1 x DB-9 for CAN FD</p> <p>- 1 x USB Type-C for system recovery (Device only)</p> <p>- 1 x Nano SIM card slot</p> <p>- 5 x Pre-cut holes for external SMA antenna</p>
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	<p>NVIDIA® JetPack including Jetson Linux, NVIDIA® development tools</p>
Operating Temp.	<p>-25°C ~ 70°C (-13°F ~ 158°F), ambient w/ 0.6m/s airflow *Operating temp. varies by accessories installed.</p>

System	IBOX-601-G2-01-ONX8 NVIDIA® Jetson Orin™ NX 8GB / VDB-101 / 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