



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

<b>System</b>	<b>IBOX-601-G2-01-ONX16</b> <b>NVIDIA® Jetson Orin™ NX 16GB / VDB-101 / 4 x GMSL-2 / Model M12</b>
<b>Module</b>	<b>NVIDIA® Jetson Orin™ NX 16GB</b> <b>(1024 CUDA cores + 8-core ARM Cortex-A78AE CPU + 16 GB LPDDR5)</b>
<b>Security</b>	<b>Platform Security Controller (PSC), Security Engine (SE)</b>

<b>System</b>	<p><b>IBOX-601-G2-01-ONX16</b>  <b>NVIDIA® Jetson Orin™ NX 16GB / VDB-101 / 4 x GMSL-2 / Model M12</b></p> <p>- 2 x M12 X-coded for 1 x 2.5GbE &amp; 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>
<b>Interface</b>	<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>
<b>INTERNAL EXPANSION</b>	<ul style="list-style-type: none"> <li>• 1 x M.2 2230 Key E slot <ul style="list-style-type: none"> <li>• 1 x M.2 3042/52 Key B slot (USB3.0) with nano SIM card slot</li> <li>•</li> </ul> </li> <li>• 1 x mPCIe full-size slot (USB.2.0 supported)</li> </ul>
<b>STORAGE (Internal)</b>	<ul style="list-style-type: none"> <li>• 1 x M.2 2280 Key M slot supports NVMe SSD (Pre-installed system B</li> </ul>
<b>Operating System / SDK</b>	<p><b>NVIDIA® JetPack including Jetson Linux, NVIDIA® development tools</b></p>
<b>Operating Temp.</b>	<p><b>-25°C ~ 70°C (-13°F ~ 158°F), ambient w/ 0.6m/s airflow</b>  <b>*Operating temp. varies by accessories installed.</b></p>

<b>System</b>	<b>IBOX-601-G2-01-ONX16 NVIDIA® Jetson Orin™ NX 16GB / VDB-101 / 4 x GMSL-2 / Model M12</b>
<b>Storage Temp.</b>	<b>-40°C ~ 80°C (-40°F ~ 176°F)</b>
<b>Relative Humidity</b>	<b>10% RH – 90% RH (non-condensing)</b>
<b>Certification / Standard</b>	<b>CE, FCC Part-15 Class A, E-mark, EN50155, EN45545-2 (R25)</b>
<b>Vibration</b>	<ul style="list-style-type: none"> <li>• <b>Random – IEC60068-2-64, random, 2.5G@5~500Hz, 1hr/axis</b></li> <li>• <b>MIL-STD-810G – Method 514.6, Procedure I, Category 4</b></li> </ul>
<b>Shock</b>	<b>MIL-STD-810G, Method 516.6, Procedure I, Trucks and semi-trailers=15 (11ms) with SSD</b>
<b>Power Input</b>	<ul style="list-style-type: none"> <li>• <b>1 x M12 K-coded for DC-IN 9 ~ 60V</b></li> <li>• <b>Supports Smart Power Management, OCP and OVP</b></li> </ul>
<b>Mechanical</b>	<b>Aluminum Alloy</b> <b>Fanless Passive Cooling Design</b> <b>DIN-Rail, Wall Mount</b> <b>1770 g</b> <b>150 mm (L) x 135 mm (W) x 77 mm (H)</b>
<b>Optional Accessories</b>	<b>WI-FI: M.2 2230 Wi-Fi Module</b> <b>WWAN Modem: M.2 3042/52 WWAN Modem</b> <b>GPS: mPCIe GPS Module</b> <b>UPS: BAT-2300v2</b> <b>GMSL Camera:</b> <b>2MP 63.9° - Sony IMX390 2MP, 63.9°, GMSL-2</b> <b>2MP 120.6° - Sony IMX390 2MP, 120.6°, GMSL-2</b> <b>2MP 186.0° - Sony IMX390 2MP, 186.0°, GMSL-2</b>