

0.00 EUR

incl. 19% VAT, plus [shipping](#)

- NVidia Jetson Orin NX !
- 16GB RAM !
- 960GB SSD !
- 4x FAKRA / 2-CH GMSL x2 !



- 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
- Optional Backup Battery for Emergency

#### IBOX-601-M12X-01-ONX16-S1T

##### System

**NVIDIA® Jetson™ Orin NX 16GB / 960GB SSD / Model M12 / 4x FAKRA / 2-CH GMSL x2**

##### Module

**NVIDIA® Jetson Orin™ NX 16GB – 100 TOPS  
(1024 CUDA cores + 8-core ARM Cortex-A78AE CPU + 16 GB LPDDR5)**

##### Security

**Platform Security Controller (PSC), Security Engine (SE)**

|           |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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|           |  | <ul style="list-style-type: none"><li>- 2 x M12 X-coded for 1 x 2.5GbE &amp; 1 x GbE<br/>( Intel® 2.5GbE, SoM Built-in GbE)</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|           |  | <ul style="list-style-type: none"><li>- 2 x USB 3.2 Type-A<ul style="list-style-type: none"><li>* Two ports share 10Gbps bandwidth</li></ul></li><li>- 1 x HDMI 2.1 output supports 4K resolution<ul style="list-style-type: none"><li>- 1 x HD Audio from the HDMI</li><li>- 1 x DB-9 for RS-232/422/485</li></ul></li><li>- 4 x FAKRA for GMSL-2 cameras<ul style="list-style-type: none"><li>- 1 x DB-9 for CAN FD</li><li>- 1 x DB-9 for 4 x DI / 4 x DO</li></ul></li><li>- 1 x USB Type-C for system recovery (Device only)<ul style="list-style-type: none"><li>- 1 x Nano SIM card slot</li></ul></li><li>- 5 x Pre-cut holes for external SMA antenna</li></ul> |
| Interface |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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**Wi-Fi: M.2 2230 Wi-Fi Module**

**WWAN Modem: M.2 3042/52 WWAN Modem**

**Optional Accessories**

**GPS: mPCIe GPS Module**

**UPS: BAT-2300v2**

**GMSL Camera**