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**<br>**(1024 CUDA cores + 8-core ARM Cortex-A78AE CPU + 16 GB LPDDR5)** |
| **Security** | **Platform Security Controller (PSC), Security Engine (SE)** |

| | |
|---|---|
| | - 2 x M12 X-coded for 1 x 2.5GbE & 1 x GbE<br>( Intel® 2.5GbE, SoM Built-in GbE) |
| Interface | - 2 x USB 3.2 Type-A<br>* Two ports share 10Gbps bandwidth<br>- 1 x HDMI 2.1 output supports 4K resolution<br>- 1 x HD Audio from the HDMI<br>- 1 x DB-9 for RS-232/422/485<br>- 4 x FAKRA for GMSL-2 cameras<br>- 1 x DB-9 for CAN FD<br>- 1 x DB-9 for 4 x DI / 4 x DO<br>- 1 x USB Type-C for system recovery (Device only)<br>- 1 x Nano SIM card slot<br>- 5 x Pre-cut holes for external SMA antenna |
| INTERNAL EXPANSION | • 1 x M.2 2230 Key E slot<br>• 1 x M.2 3042/52 Key B slot with nano SIM card slot<br>• 1 x mPCIe full-size slot (USB.2.0 supported) |
| STORAGE (Internal) | • 1 x M.2 2280 Key M slot supports NVMe SSD (Pre-installed system BSP) |
| 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<br>*Operating temp. varies by accessories installed. |
| 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 | • Random – IEC60068-2-64, random, 2.5G@5~500Hz, 1hr/axis<br>• MIL-STD-810G – Method 514.6, Procedure I, Category 4 |
| Shock | MIL-STD-810G, Method 516.6, Procedure I, Trucks and semi-trailers=15G (11ms) with SSD |
| Power Input | • 1 x M12 K-coded for DC-IN 9 ~ 60V<br>• Supports Smart Power Management, OCP and OVP |
| Mechanical | Aluminum Alloy<br>Fanless Passive Cooling Design<br>DIN-Rail, Wall Mount<br>1870 g<br>270,2 mm (L) x 270,2 mm (W) x 69 mm (H) |

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|---|---|
| **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** |