

0.00 EUR

incl. 19% VAT, plus shipping



- **T1 Automotive Ethernet !**
- **32GB RAM !**



**NVIDIA® Jetson AGX Orin Edge AI Embedded Computer with T1 Automotive Ethernet**

- NVIDIA® Jetson AGX Orin™ 32GB SoM with 1792 CUDA Cores
- 100/1000BASE-T1 Automotive Ethernet Support
- 4 x GMSL-2 Cameras Support
- 1 x 10GbE for High-Speed Data Transmission
- 2 x Ethernet with PoE Support
- Optional Backup Battery for Emergency

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| <b>Module</b>              | <b>NVIDIA® Jetson AGX Orin™ 32GB<br/>(1792 CUDA cores + 8-core ARM Cortex-A78AE CPU + 32 GB LPDDR5)</b>                |
| <b>Network</b>             | <b>1 x Marvell® T1, 1 x Marvell® Industrial 10GbE, 2 x Intel® 2.5GbE</b>   |
| <b>Security / Watchdog</b> | <b>Platform Security Controller (PSC), Security Engine (SE) /<br/>The self-reset mechanism for unresponsive system</b> |

|                                 |  |
|---------------------------------|--|
| <b>Module</b>                   | <b>NVIDIA® Jetson AGX Orin™ 32GB<br/>(1792 CUDA cores + 8-core ARM Cortex-A78AE CPU + 32 GB LPDDR5)</b>  |
| <b>Interface</b>                | <b>1 x H-CMTD T1 connector, 3 x M12 X-coded connectors (Phoenix Contact)</b><br><b>2 x USB Type-A connector for USB 3.2</b><br><b>1 x HDMI</b><br><b>1 x HD Audio from the HDMI</b><br><b>1 x RS-232/422/485 via M12 connector</b><br><b>2 x USB Type-A connector for USB 3.2</b><br><b>1 x USB Type-C for System Recovery (Device only)</b><br><b>7 x Antenna holes</b> |
| <b>INTERNAL EXPANSION</b>       | <ul style="list-style-type: none"> <li>• <b>1 x M.2 3042/52 Key B slot (USB3.0) with a Nano SIM Card Slot</b></li> <li>• <b>1 x M.2 2230 Key E slot</b></li> <li>    * Thermal solution is required for M.2 5G Module</li> </ul> <b>1 x mPCIc Full size slot (USB.2.0 supported)</b>   |
| <b>STORAGE (Internal)</b>       | <b>1 x Internal 64GB eMMC (Pre-installed system BSP)</b><br><b>1 x M.2 2280 Key M supports NVMe SSD</b>  |
| <b>Operating System / SDK</b>   | <b>NVIDIA® JetPack 5.1.3 above, including Jetson Linux, and NVIDIA® development tools</b>  |
| <b>Operating Temp.</b>          | <b>-25°C ~ 70°C (-13°F ~ 158°F), with SSD, ambient w/ air flow 0.6m/s (ONX model)</b>  |
| <b>Storage Temp.</b>            | <b>-40 ~ 80°C</b>  |
| <b>Relative Humidity</b>        | <b>10% RH – 90% RH (non-condensing)</b>  |
| <b>Certification / Standard</b> | <b>CE, FCC Class A, E-Mark, ECE R118, EN50155*, EN45545-2 (R25)</b>  |
| <b>Vibration</b>                | <b>Random – IEC60068-2-64, random, 2.5G@5~500Hz, 1hr/axis • MIL-STD-Method 514.6, Procedure I, Category 4</b>  |
| <b>Shock</b>                    | <b>MIL-STD-810H – Method 516.6, Procedure I, trucks and semi-trailers=15 (11ms) with SSD</b>   |
| <b>Power Input</b>              | <b>DC 9V-60V for 12/24/48V via M12 K-coded connector (Phoenix Contact®)</b>  |

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|-------------------|---|
| <b>Module</b>     | <b>NVIDIA® Jetson AGX Orin™ 32GB<br/>(1792 CUDA cores + 8-core ARM Cortex-A78AE CPU + 32 GB LPDDR5)</b> |
| <b>Mechanical</b> | <b>Aluminum Alloy<br/>Wall Mount<br/>5000 g<br/>300 mm (L) x 190 mm (W) x 77,5 mm (H)<br/>IP40</b>      |
| <b>Model</b>      | <b>IBOX-650P-T1-JAO32-LE   NVIDIA® Jetson AGX Orin™ 32GB / 1 x T1 /<br/>10GbE / 2 x PoE</b>             |