

0.00 EUR

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

- T1 Automotive Ethernet !
- 64GB RAM !



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

- NVIDIA® Jetson AGX Orin™ 64GB SoM with 2048 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

|                            |                                                                                                                                                                                                                                                                                                                      |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Module</b>              | <b>NVIDIA® Jetson AGX Orin™ 64GB</b>                                                                                                                                                                                                                                                                                 |
| <b>Network</b>             | <b>(2048 CUDA cores + 12-core ARM Cortex-A78AE CPU + 64 GB LPDDR5)</b><br><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) /</b><br><b>The self-reset mechanism for unresponsive system</b><br><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> |
| <b>Interface</b>           | <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>• 1 x M.2 3042/52 Key B slot (USB3.0) with a Nano SIM Card Slot</li> <li>• 1 x M.2 2230 Key E slot</li> </ul> <p><b>* Thermal solution is required for M.2 5G Module</b><br/><b>1 x mPCIc Full size slot (USB.2.0 supported)</b></p>                                          |

|                          |                                                                                                    |
|--------------------------|----------------------------------------------------------------------------------------------------|
|                          | 1 x Internal 64GB eMMC (Pre-installed system BSP)                                                  |
| STORAGE (Internal)       | 1 x M.2 2280 Key M supports NVMe SSD                                                               |
| Operating System / SDK   | NVIDIA® JetPack 5.1.3 above, including Jetson Linux, and NVIDIA® development tools                 |
| Operating Temp.          | -25°C ~ 70°C (-13°F ~ 158°F), with SSD, ambient w/ air flow 0.6m/s (ONX8 model)                    |
|                          | -40 ~ 80°C                                                                                         |
| Storage Temp.            |                                                                                                    |
| Relative Humidity        | 10% RH – 90% RH (non-condensing)                                                                   |
| Certification / Standard | CE, FCC Class A, E-Mark, ECE R118, EN50155*, EN45545-2 (R25)                                       |
|                          | Random – IEC60068-2-64, random, 2.5G@5~500Hz, 1hr/axis • MIL-STD-810H – Method 514.6,              |
| Vibration                | Procedure I, Category 4                                                                            |
| Shock                    | MIL-STD-810H – Method 516.6, Procedure I, trucks and semi-trailers=15G (11ms) with SSD             |
| Power Input              | DC 9V-60V for 12/24/48V via M12 K-coded connector (Phoenix Contact®)                               |
|                          | Aluminum Alloy                                                                                     |
|                          | Wall Mount                                                                                         |
| Mechanical               | 5000 g                                                                                             |
|                          | 300 mm (L) x 190 mm (W) x 77,5 mm (H)                                                              |
|                          | IP40                                                                                               |
| Model                    | IBOX-650P-T1-01-JAO64■NVIDIA® Jetson AGX Orin™ 64GB / 1 x T1 / 1 x 10GbE / 2 x PoE / 4<br>x GMSL-2 |