

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><br><b>(2048 CUDA cores + 12-core ARM Cortex-A78AE CPU + 64 GB LPDDR5)</b>                                                                                           |
| <b>Network</b>             | <b>1 x Marvell® T1, 1 x Marvell® Industrial 10GbE, 2 x Intel® 2.5GbE</b><br><b>Platform Security Controller (PSC), Security Engine (SE) /</b><br><b>The self-reset mechanism for unresponsive system</b> |
| <b>Security / Watchdog</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>                     |
| <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>       | • | 1 x M.2 3042/52 Key B slot (USB3.0) with a Nano SIM Card Slot                                                 |
|                                 | • | 1 x M.2 2230 Key E slot                                                                                       |
|                                 |   | * Thermal solution is required for M.2 5G Module                                                              |
|                                 |   | 1 x mPCIc Full size slot (USB.2.0 supported)                                                                  |
| <b>STORAGE (Internal)</b>       |   | 1 x Internal 64GB eMMC (Pre-installed system BSP)                                                             |
| <b>Operating System / SDK</b>   |   | 1 x M.2 2280 Key M supports NVMe SSD                                                                          |
| <b>Operating Temp.</b>          |   | NVIDIA® JetPack 5.1.3 above, including Jetson Linux, and NVIDIA® development tools                            |
|                                 |   | -25°C ~ 70°C (-13°F ~ 158°F), with SSD, ambient w/ air flow 0.6m/s (ONX8 model)                               |
| <b>Storage Temp.</b>            |   | -40 ~ 80°C                                                                                                    |
| <b>Relative Humidity</b>        |   | 10% RH – 90% RH (non-condensing)                                                                              |
| <b>Certification / Standard</b> |   | CE, FCC Class A, E-Mark, ECE R118, EN50155*, EN45545-2 (R25)                                                  |
| <b>Vibration</b>                |   | Random – IEC60068-2-64, random, 2.5G@5~500Hz, 1hr/axis • MIL-STD-810H – Method 514.6, Procedure I, Category 4 |
| <b>Shock</b>                    |   | MIL-STD-810H – Method 516.6, Procedure I, trucks and semi-trailers=15G (11ms) with SSD                        |
| <b>Power Input</b>              |   | DC 9V-60V for 12/24/48V via M12 K-coded connector (Phoenix Contact®)                                          |
| <b>Mechanical</b>               |   | Aluminum Alloy                                                                                                |
|                                 |   | Wall Mount                                                                                                    |
|                                 |   | 5000 g                                                                                                        |
|                                 |   | 300 mm (L) x 190 mm (W) x 77,5 mm (H)                                                                         |
|                                 |   | IP40                                                                                                          |
| <b>Model</b>                    |   | IBOX-650P-T1-JAO64-LE ■ NVIDIA® Jetson AGX Orin™ 64GB / 1 x T1 / 1 x 10GbE / 2 x PoE                          |