

4869.00 EUR

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

- NVidia Orin Nano !
- 32GB RAM !
- IP66 !



- NVIDIA® Jetson AGX Orin™ SoM with 1792 CUDA Cores
- IP66 Design (Waterproof and Dustproof) for Harsh Environment
- 1 x 10 GbE, 2 GbE with PoE via Phoenix Contact® M12 IP67 Connectors
- 2 x CAN FD
- 2 x RS-232/422/485\*, 4 x DI/4 x DO\*
- Supporting 4 x GMSL-2 Cameras (via FAKRA Connectors)
- 9 ~ 60VDC Input with Built-in Smart Ignition Power Management
- -25 ~ 70°C Operating with Fanless Design
- Patented Design of Emergency Backup Battery (**Optional!**)

#### System

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NVIDIA® Jetson AGX Orin™ 32GB – 200 TOPS

#### Module

(1792 CUDA® cores GPU + 8-core Arm Cortex-A78AE CPU + 32 GB LPDDR5)

#### Security

Security Boot, Arm TrustZone

|                          |                                                                           |                                                                                                                                                                                                                                                                  |
|--------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                          |                                                                           | <ul style="list-style-type: none"> <li>- 1 x 10GbE, 2 x 2.5GbE w/ 2 x IEEE 802.3at PoE PSE Class 4 (PoE+ 30 watts)<br/>(3 x Phoenix Contact® M12 X-coded connectors)</li> </ul>                                                                                  |
|                          |                                                                           | <ul style="list-style-type: none"> <li>- 2 x USB Type-A/IP67 connector for USB 3.2<br/>* One port share 10Gbps bandwidth</li> </ul>                                                                                                                              |
|                          |                                                                           | <ul style="list-style-type: none"> <li>- 1 x HDMI Type-A/IP67 connector for HDMI 2.1 output</li> </ul>                                                                                                                                                           |
| Interface                |                                                                           | <ul style="list-style-type: none"> <li>- 1 x HD Audio from the HDMI</li> </ul>                                                                                                                                                                                   |
|                          |                                                                           | <ul style="list-style-type: none"> <li>- 1 x M12 A-coded connector for RS-232/422/485</li> </ul>                                                                                                                                                                 |
|                          |                                                                           | <ul style="list-style-type: none"> <li>- 2 x M8 A-coded connectors for CAN FD</li> </ul>                                                                                                                                                                         |
|                          |                                                                           | <ul style="list-style-type: none"> <li>- 1 x USB Type-C for System Recovery (Device only)</li> </ul>                                                                                                                                                             |
|                          |                                                                           | <ul style="list-style-type: none"> <li>- 4 x FAKRA-Z connectors for GMSL-2 cameras</li> </ul>                                                                                                                                                                    |
|                          |                                                                           | <ul style="list-style-type: none"> <li>- 1 x Nano SIM card slot</li> </ul>                                                                                                                                                                                       |
| INTERNAL EXPANSION       | <ul style="list-style-type: none"> <li>•</li> <li>•</li> <li>•</li> </ul> | <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> <li>* Thermal solution is required for M.2 5G Module</li> <li>1 x mPCIc Full size slot (USB.2.0 supported)</li> </ul> |
| STORAGE (Internal)       | <ul style="list-style-type: none"> <li>•</li> <li>•</li> </ul>            | <ul style="list-style-type: none"> <li>1 x 64GB eMMC (Built-in within SoM)</li> <li>1 x M.2 2280 Key M slot supports NVMe SSD (Pre-installed)</li> </ul>                                                                                                         |
| Operating System / SDK   |                                                                           | NVIDIA® JetPack including Jetson Linux, NVIDIA® development tools                                                                                                                                                                                                |
| Operating Temp.          |                                                                           | 25°C ~ 70°C w/0.6 m/s airflow (for barebone system)<br>*Operating Temperature Varies by Accessories Installed.                                                                                                                                                   |
| Storage Temp.            |                                                                           | -40 ~ 85°C                                                                                                                                                                                                                                                       |
| Relative Humidity        |                                                                           | 10% RH – 90% RH (non-condensing)                                                                                                                                                                                                                                 |
| Certification / Standard |                                                                           | CE, FCC Class A, E-Mark, ECE R118, EN50155*, EN45545-2 (R25) *On going                                                                                                                                                                                           |
| Vibration                | <ul style="list-style-type: none"> <li>•</li> <li>•</li> </ul>            | <ul style="list-style-type: none"> <li>MIL-STD-810H, Method 514.6, Procedure I, Cat.4 (Operating)</li> <li>IEC60068-2-64, random, 2.5G@5~500Hz, 1hr/axis</li> </ul>                                                                                              |
| Shock                    |                                                                           | MIL-STD-810H, Method 516.6, Procedure I,<br>Trucks and semi-trailers=15G (11ms) with SSD (Operating)                                                                                                                                                             |
| Ingress Protection       |                                                                           | IP66                                                                                                                                                                                                                                                             |
| Power Input              | <ul style="list-style-type: none"> <li>•</li> </ul>                       | <ul style="list-style-type: none"> <li>1 x Phoenix Contact® M12 K-coded connector for DC-IN 9~60V<br/>Aluminum Alloy</li> </ul>                                                                                                                                  |
| Mechanical               |                                                                           | <ul style="list-style-type: none"> <li>Fanless Passive Cooling Design</li> <li>Wall Mount</li> <li>5100 g</li> <li>300 mm (L) x 190 mm (W) x 77,5 mm (H)</li> </ul>                                                                                              |