



4449.00 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!**)
- **The “-LE” Model does not support GMSL-2 camera**

System

- **NVIDIA® Jetson AGX Orin™ 32GB – 200 TOPS (1792 CUDA® cores GPU + 8-core Arm Cortex-A78AE CPU + 32 GB LPDDR5)**

Module

Security

Security Boot, Arm TrustZone

System

- 1 x 10GbE, 2 x 2.5GbE w/ 2 x IEEE 802.3at PoE PSE Class 4 (PoE+ 30 W)
(3 x Phoenix Contact® M12 X-coded connectors)

- 2 x USB Type-A/IP67 connector for USB 3.2

* One port share 10Gbps bandwidth

- 1 x HDMI Type-A/IP67 connector for HDMI 2.1 output

- 1 x HD Audio from the HDMI

Interface

- 1 x M12 A-coded connector for RS-232/422/485

- 2 x M8 A-coded connectors for CAN FD

- 1 x USB Type-C for System Recovery (Device only)

- 4 x FAKRA-Z connectors for GMSL-2 cameras

- 1 x Nano SIM card slot

• 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

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• 1 x mPCIc Full size slot (USB.2.0 supported)

INTERNAL EXPANSION

• 1 x 64GB eMMC (Built-in within SoM)

• 1 x M.2 2280 Key M slot supports NVMe SSD (Pre-installed)

STORAGE (Internal)

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)

*Operating Temperature Varies by Accessories Installed.

Storage Temp.

-40 ~ 85°C

System

Relative Humidity	10% RH – 90% RH (non-condensing)
Certification / Standard	CE, FCC Class A, E-Mark, ECE R118, EN50155*, EN45545-2 (R25) *On g •
Vibration	<ul style="list-style-type: none">• MIL-STD-810H, Method 514.6, Procedure I, Cat.4 (Operating)• IEC60068-2-64, random, 2.5G@5~500Hz, 1hr/axis
Shock	MIL-STD-810H, Method 516.6, Procedure I, Trucks and semi-trailers=15G (11ms) with SSD (Operating)
Ingress Protection	IP66
Power Input	<ul style="list-style-type: none">• 1 x Phoenix Contact® M12 K-coded connector for DC-IN 9~60V
Mechanical	Aluminum Alloy Fanless Passive Cooling Design Wall Mount 5100 g 300 mm (L) x 190 mm (W) x 77,5 mm (H)