



5849.00 EUR

incl. 19% VAT, plus shipping



- **NVidia Orin Nano !**
- **64GB RAM !**
- **IP66 !**

- NVIDIA® Jetson AGX Orin™ SoM with 2048 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™ 64GB – 275 TOPS  
(2048 CUDA® cores GPU + 12-core Arm Cortex-A78AE CPU + 64 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  
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**Vibration**

- 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** • 1 x Phoenix Contact® M12 K-coded connector for DC-IN 9~60V

Aluminum Alloy

Fanless Passive Cooling Design

**Mechanical** Wall Mount

5100 g

300 mm (L) x 190 mm (W) x 77,5 mm (H)