

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

Interface	- 1 x 10GbE, 2 x 2.5GbE w/ 2 x IEEE 802.3at PoE PSE Class 4 (PoE+ 30 watts) (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	
	- 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	
INTERNAL EXPANSION	•	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 mPCIe Full size slot (USB.2.0 supported)
STORAGE (Internal)	•	1 x 64GB eMMC (Built-in within SoM)
	•	1 x M.2 2280 Key M slot supports NVMe SSD (Pre-installed)
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	
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	•	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
Mechanical	Fanless Passive Cooling Design	
	Wall Mount	
	5100 g	
	300 mm (L) x 190 mm (W) x 77,5 mm (H)	