

129.00 EUR
incl. 19% VAT, plus shipping

- Norvi X !
- CPU Modul !
- Up to 200 I/O Points !
- TFT LCD Display !

Support: Specifications

- ESP32-S3-WROOM-1U-N16R2
- Programmable Controller for IoT with Wi-Fi, Ethernet and Bluetooth
- DS3231 RTC
- TFT SPI Display with touch input
- DIN-Rail Mount
- Built-in RS-485 Communication
- Built-in Ethernet Communication

Modular Industrial IoT Controller revolutionizes factory automation with flexibility, connectivity, and scalability in one platform. The NORVI X enables seamless integration between legacy equipment and modern cloud systems. Built for machine builders and system integrators, this all-in-one controller delivers reliable performance across manufacturing, energy, and infrastructure applications.

Its scalable architecture supports expansion from basic I/O to complex systems with up to 200 I/O points. Equipped with 4G LTE (Optional), Wi-Fi, and Ethernet, it enables remote monitoring and industrial automation anywhere. The platform reduces deployment time while maintaining industrial-grade reliability for diverse industrial environments.

Supported Expansion Modules:
- Digital Input Modules: 4-DI, 8-DI, 16-DI
- Relay Output Modules: 4-RO, 8-RO
- Transistor Output Modules: 4-TO, 8-TO, 16-TO
- Analog Input Modules: 4× 0–10 V, 4× 4–20 mA

- Analog Output Modules: 4× 0–10 V / 4–20 mA
- Communication Modules: EC25 and A7672 cellular modems
- Power Modules: 3-channel current transformer module

Range of product	NORVI X CPU Modul
Product type	Modular Programmable Controller
CPU	• **Processor:** Dual■core 32■bit (ESP32■WROOM32) running at 160 MHz. • **Memory:** ~ 520 KB SRAM, Flash: ~ 4 Mb (≈ 4 MB) onboard module. • **Connectivity:** WiFi (802.11 b/g/n) + Bluetooth v4.2. • **I/O Support:** Maximum 200 I/O points per controller • Hot-swappable modules • I2C address configuration • Distributed architecture support
Communication	WiFI 2.5GHz / Bluetooth Ethernet RS-485
Displays and Visual Indicators	2.0 inch TFT LCD Display 240*320
Supply Voltage:	24 V DC / 400mA
DIN-rail mounting	(TH35 type) for industrial panel installation.
Dimensions	81 x 104 x 37,5 mm
Envirement	**IP20** Operating altitude: 0-2000 meters Operating Temperature: -10 ... - +85°C Shock resistance: 15 gn for 11ms Resistance to electrostatic discharge: 4kV on contact / 8kV on air
Communication Ports:	RS■485 (half■duplex) included in certain models
Expansion Port	Allows connection of dedicated expansion modules via I²C, UART, etc.
Certifications	EN 61131-2:2007 EN 61010-1:2010+A1:2019 EN IEC 61010-2-201:2018 2014/30/EU- Electromagnetic Compatibility (EMC) Annex III, Part B, Module C