



149.00 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  
Product type  
CPU

NORVI X CPU Modul  
Modular Programmable Controller

- **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

Environment

### 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 I<sup>2</sup>C, 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