



98.00 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: 4x 0–10 V, 4x 4–20 mA

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

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|--------------------------------|---|
| Range of product               | NORVI X CPU Modul   |
| Product type                   | Modular Programmable Controller   |
| CPU                            | <ul style="list-style-type: none"> <li>• <b>Processor:</b> Dual-core 32-bit (ESP32-WROOM32) running at 160 MHz.</li> <li>• <b>Memory:</b> ~ 520 KB SRAM, Flash: ~ 4 Mb (≈ 4 MB) onboard module.</li> <li>• <b>Connectivity:</b> WiFi (802.11 b/g/n) + Bluetooth v4.2.</li> <li>• <b>I/O Support:</b> Maximum 200 I/O points per controller</li> <li>• Hot-swappable modules</li> <li>• I2C address configuration</li> <li>• Distributed architecture support</li> </ul> |
| Communication                  | WiFi 2.5GHz / Bluetooth<br>Ethernet<br>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                     | <b>IP20</b><br>Operating altitude: 0-2000 meters<br>Operating Temperature: -10 ... - +85°C<br>Shock resistance: 15 gn for 11ms<br>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<br>EN 61010-1:2010+A1:2019<br>EN IEC 61010-2-201:2018<br>2014/30/EU- Electromagnetic Compatibility (EMC)<br>Annex III, Part B, Module C   |