



94.95 EUR

incl. 19% VAT, plus [shipping](#)

- Ind. ESP32-WROOM32 !
- Built-in OLED Display !
- Flexible programming !
- Dual Core 32bit 160-Mhz CPU !



Support: [Datasheet](#) | [Brochure](#) | [Quick Start](#)

USB Programmable Industrial ESP32 with OLED Display and din-rail mount. It is designed for protection and reliability. Complying with 2014/30/EU- Electromagnetic Compatibility (EMC) Annex III, Part B, Module C (Conformity to Type Based on Internal Production Control)

- 0.96 OLED Display
- 8x Digital Inputs
- 8x Open collector Transistor
- RS 485 Communication

| Main | |
|------------------------|--|
| Range of product | NORVI IIOT |
| Product type | Programmable Controller |
| 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 |
| Rated supply voltage | 24V DC |
| Discrete input number | 8 discrete input |
| Discrete output type | Relay and Transistor |
| Discrete output number | 8x Open collector Transistor |

| | |
|---------------------------------------|---|
| Discrete output voltage | 24V DC for transistor output |
| Discrete output current | 0.5A with T0.0... T0.1 Transistor 2 A with R0....R5 |
| Communication | 1 x RS-485 |
| OLED Display Protocol | I2C |
| TFT Display Protocol | SPI |
| Analog input Range | 4 - 20mA (AE02-I) / 0 - 10V (AE02-V) |
| Analog input resolution | 16 bit |
| Complementary | |
| Discrete IO number | 16 |
| Number of Expansions | ----- |
| Supply voltage limits | 20.4 28.8V |
| Inrush current | <= 50A |
| Power consumption in W | 32.6 40.4 with all outputs ON |
| Discrete logic Input | Sink or source |
| Discrete input Voltage | 24V DC |
| Voltage TypeVoltage state 1 | > = 15V for Input |
| Voltage TypeVoltage state 0 | < = 5V for input |
| Discrete Input Current | 5mA for Input |
| Input impedance | 4.7k Ohm for Input |
| Local signalling | 1 LED green for PWR 1 LED green for RUN 8 LED green for I0.....I7 6 LED green for R0....R5 2 LED green for T0....T1 |
| Electrical connection | Removable screw terminal block for inputs and outputs (pitch 5.08 mm) |
| Mounting support | Top hat type TH35-15 rail conforming to IEC 60715 Top hat type TH35-7.5 rail conforming to IEC 60715 Plate or panel with fixing kit |
| Height | 90.50 mm |
| Depth | 56.60 mm |
| Width | 60.60 mm |
| Weight | 0.43 kg |
| Environment | |
| Resistance to electrostatic discharge | 4kV on contact, 8kV on air |
| Resistance to electro magnetic fields | 10 V/m (80 MHz 1 GHz) 3 V/m (1.4 MHz 2 GHz) 1 V/m (2 MHz 3 GHz) |
| Immunity to microbreaks | 10 ms |
| Relative humidity | 10....95% without condensation in operation |
| IP degree of protection | IP20 |
| Operating altitude | 0...2000m |
| Storage altitude | 0...3000m |
| Shock resistance | 15 gn for 11 ms |
| Resistance to electrostatic discharge | 4kV on contact, 8kV on air |
| Resistance to electro magnetic fields | 10 V/m (80 MHz 1 GHz) 3 V/m (1.4 MHz 2 GHz) 1 V/m (2 MHz 3 GHz) |