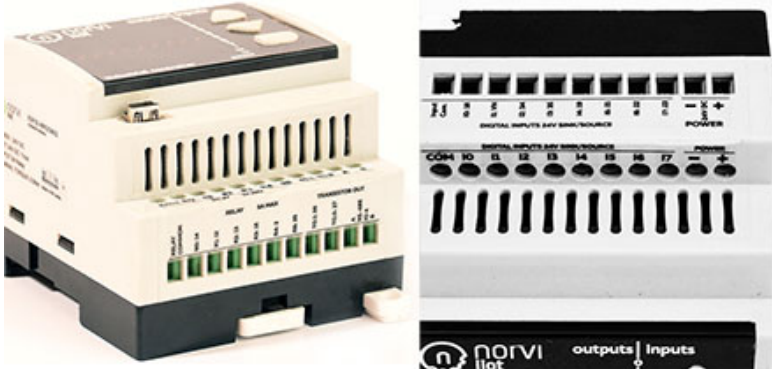




94.95 EUR

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 Communicaton

### Main

Range of product

Product type

Certifications

NORVI IIOT

Programmable Controller

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
<b>Complementary</b>	
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
<b>Environment</b>	
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)