134.95 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
- 6 analog inputs 0 to 10V
- RS 485 Communicaon

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	6 Relay outputs, 2 Transitor outputs
Discrete output voltage	24V DC for transisitor 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
Relave 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)