

309.95 EUR

incl. 19% VAT, plus shipping



- **GSM !**
- **4x Analog Inputs !**
- **6x Digital Inputs !**
- **OLED-Display !**

Industrial Controller with GSM + WiFi Industrial ESP32, Ready for Industrial Environments :
Arduino and ESP-IDF

USB Programmable Controller with multiple connectivity channels. Ideal for a IoT gateway or data transmission applications. The device is based on ESP32-WROOM32 SoC with GSM Connectivity. It has I/O Compatible with industrial voltage levels, and with added protection. Models are available with different variations on Inputs and Output options. Moreover NORVI GSM Industrial ESP32 is expandable with Expansion modules.

- ESP32-WROOM32 Module
- GSM / LTE Connection
- Built-in 0.96 OLED Display
- Built-in Button on front panel
- DS3231 RTC with Backup Battery
- microSD Card Support
- 6x Digital Inputs
- 4x Analog Inputs
- Ethernet via W5500
- 1x RS485
- DIN-Rail mount

Table

Main

Range of product	NORVI GSM
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
Communication	WiFi / Bluetooth LTE / EDGE - Quectel EC21 RS485
OLED Display protocol	I2C
Analog input range	4 - 20mA
Analog input resolution	16 bit
Transistor Output Rating	500mA 300mW
Complementary	
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
Discrete input voltage type	DC
Voltage state 1 guaranteed	>=15 V for input
Voltage state 0 guaranteed	<=5 V for input
Discrete input current	5 mA for input
Input impedance	4.7k Ohm for input
Memory capacity	Refer datasheet of ESP32-WROOM32
Battery type	-----
Backup time	-----
Local signalling	1 LED green for PWR
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
Product 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 1GHz) 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 Temperature	-10 ... +85° C (14...185 °F)
Storage Temperature	-25 ... +85° C (-13...185 ° F)
Operating altitude	0...2000m
Storage altitude	0...3000m
Shock resistance	15 gn for 11 ms