

234.95 EUR

incl. 19% VAT, plus shipping



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

NORVI GSM-AE04-I-G = SIM800C  
NORVI GSM-AE04-I-L = EC21  
NORVI GSM-AE04-I-LS = SIM7500

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
- 6x Analog Inputs
- 2x Transistor Output
- 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	microSD Card Support
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