



164.95 EUR

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

- W5500 Ethernet !
- 8x Digital Input !
- 4x Transistor Output !
- OLED Display !

Support:  [Datenblatt](#)

Industrial ESP32, Ready for Industrial Environments : Arduino and ESP-IDF USB Programmable Industrial ESP32 with OLED Display and din-rail mount. NORVI ENET Series comes with built-in Ethernet. Expanding its connectivity.

NORVI ENET range is the idea choice for ESP32 Ethernet implementations, where industrial level I/O and voltages are present. ESP32 Ethernet provides both Wireless and wired connections to the network. 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).

- 8x Digital Inputs
- 4x Transistor outputs
- 4 Analog inputs
- Built in OLED Display
- micro SD card support
- DS3231 RTC with baery backup
- W5500 Ethernet

| Main                    |                                   |
|-------------------------|-----------------------------------|
| Range of product        | NORVI IIO1                        |
| Product type            | Programmable Controller           |
| Rated supply voltage    | 24V DC                            |
| Discrete input number   | 8 discrete input                  |
| Discrete output type    | Transistor                        |
| Discrete output number  | 4 Open collector Transistor       |
| Discrete output voltage | 24V DC for transisitor output     |
| Discrete output current | 0.5A with 10.0... 10.1 Transistor |
| Communicaon             | WIFI / Bluetooth                  |
| OLED Display protocol   | I2C                               |

|                                       |                                                                                                                                     |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| TFT Display protocol                  | SPI                                                                                                                                 |
| Analog input range                    | 4 - 20mA (AE06-I) / 0 - 10V (AE06-V)                                                                                                |
| Analog input resolution               | 16 bit                                                                                                                              |
| <b>Complementary</b>                  |                                                                                                                                     |
| Discrete IO number                    | 6                                                                                                                                   |
| 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<br>1 LED green for RUN<br>8 LED green for IO.....I7<br>6 LED green for T0....T5                                 |
| 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<br>8kV on air                                                                                                        |
| Resistance to electro magnetic fields | 10 V/m (80 MHz ..... 1GHz)<br>3 V/m (1.4 MHz ..... 2 GHz)<br>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                                                                                                                     |