

69.00 EUR

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

- Norvi X Series !
- ADC !
- 15-bit RTD-to-Digital converter !
- Extension !



**Support:**  [Specifications](#)

- High-Precision ADC Integrated 15-bit RTD-to-Digital converter
- 4-Channel Input Sequential monitoring
- Flexible Wiring
- Automatic Fault Detection
- 4-Way DIP Switch and RTD type selection DIP
- Status LED indicators for each input channel
- Plug-and-play connection to NORVI X CPU module via expansion bus
- DIN-rail Mounting

The NORVI X-RTD4 is a high-precision 4-channel RTD expansion module for the NORVI X modular controller platform. It utilizes the 15-bit ADC to provide laboratory-grade temperature digitization for Platinum RTDs.

The module features an integrated analog multiplexer and an onboard STM32 MCU, allowing for sequential monitoring of four independent sensors while offloading processing from the main controller.

|                  |                                    |
|------------------|------------------------------------|
| Range of product | NORVI X                            |
| Product type /   | Expansion Module f. NORVI X Series |
| Model            | NORVI X-RTD4                       |

|                          |  |
|--------------------------|--|
| Certifications           | EN 61131-2:2007<br>EN 61010-1:2010+A1:2019<br>EN IEC 61010-2-201:2018<br>2014/30/EU- Electromagnetic Compatibility (EMC)<br>Annex III, Part B, Module C  |
| Dimensions               | 81 x 104 x 23 mm   |
| Mounting                 | DIN RAIL   |
| Terminal Type            | Push-in terminal   |
| Environment              | <b>IP20</b><br>Operating altitude: 0-2000 meters<br>Operating Temperature: -10 ... - +85°C<br>Shock resistance: 15 gn for 11ms<br>Resistance to electrostatic discharge: 4kV on contact / 8kV on air |
| Supply Voltage (V)       | 24V / 80mA   |
| <b>I/O Specification</b> |  |
| Input Channels           | 4 Independent RTD Channels   |
| Resolution               | 15-bit   |
| Debug Interface          | Micro-USB (For Debugging)  |
| Communication            | SPI / I2C via Expansion Bus  |
| Microcontroller          | STM32 Series (Internal Bridge)   |
| Power Supply             | 24V DC (via Expansion Bus)   |
| Internal Interface       | High-Speed SPI (MCU to ADC Output Stage)   |