

98.00 EUR

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

- Norvi X Series !
- 4x Analog Outputs !
- Extension !



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

- 4-Channel Analog Output
- 12-bit DAC Resolution
- 0-10V DC / 4-20mA Support
- I<sup>2</sup>C Expansion Bus
- DIP Switch Addressing
- 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-AQ4 is a high-performance 4-channel analog output expansion module for the NORVI X Modular Controller, enabling precise control of industrial actuators, VFDs, and process valves.

Featuring an onboard STM32 microcontroller for dedicated 12-bit DAC management, the module offloads timing-critical signal generation from the main CPU to ensure superior stability. It provides four independent outputs configurable for 0-10V or 4-20mA signals, each protected by active filtering and TVS diodes for maximum noise immunity and surge protection in harsh industrial environments.

|                  |                                    |
|------------------|------------------------------------|
| Range of product | NORVI X                            |
| Product type /   | Expansion Module f. NORVI X Series |
| Model            | NORVI X-AQ4                        |

|                          |  |
|--------------------------|--|
| 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> |  |
| Output Channels          | 4 Channels   |
| Resolution               | 12-bit   |
| Output Ranges            | 0-10V DC / 4-20mA (Software Configurable)  |
| Debugging                | Micro-USB (For Debugging & Firmware Only)  |
| Communication            | I2C  |
| Microcontroller          | STM32 Series (Internal Bridge)   |
| Power Supply             | 24V DC (via Expansion Bus)   |
| Internal Interface       | High-Speed SPI (MCU to DAC Output Stage)   |