

59.00 EUR

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

- Norvi X Series !
- 16x Digital Inputs !
- Extension !



- 16 x Optically isolated 24 V DC digital inputs
- Bi-directional optocouplers — support both sourcing (PNP) and sinking (NPN) inputs
- One common terminal for all eight inputs
- PCA9555 I²C port expander with 4 selectable addresses
- Up to 8 DI16 modules per controller (128 inputs max)
- Built-in over-voltage and reverse-polarity protection
- Status LED indicators for each input channel
- Plug-and-play connection to NORVI X CPU module via expansion bus
- DIN-rail mountable industrial enclosure

The NORVI X-DI16 is a 16-channel digital input expansion module for the NORVI X Modular Controller. It provides protected 24 V DC digital inputs for industrial switches, sensors, and logic-level signals.

At its core, the module integrates a PCA9555 I²C port expander, allowing the NORVI X CPU to read input states efficiently via the internal expansion bus. With four selectable I²C addresses, up to four DI16 modules can be connected on the same bus, providing a total of 64 digital inputs per controller.

Designed for modular scalability and DIN-rail mounting, the NORVI X-DI16 delivers reliable, noise-immune, and space-efficient 16-channel input expansion, making it ideal for industrial automation and control applications.

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| Product type / Model | Expansion Module f. NORVI X Series NORVI X-DI16 |
| 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 |
| Dimensions | 81 x 104 x 23 mm |
| Mounting | DIN RAIL |
| Terminal Type | Push-in terminal |
| Environment | IP20 Operating altitude: 0-2000 meters Operating Temperature: -10 ... - +85°C Shock resistance: 15 gn for 11ms Resistance to electrostatic discharge: 4kV on contact / 8kV on air |
| Supply Voltage (V) | 24V / 80mA |
| I/O Specification | |
| Number of Inputs | 16 Digital Inputs |
| Input Type | Isolated 24V DC |
| Input Voltage Range | 0-30 V DC |
| Logic Low (OFF) | < 5 V DC |
| Logic High (ON) | > 15 V DC |
| Input Impedance | ~ 7 mA @ 24V |
| Protection | Over-voltage, Reverse Polarity, ESD Protected Opto-coupler isolation per channel |
| Status Indicators | 16x LED Input indicators |
| Communication Bus / Type | Internal Expansion Bus Push-in Terminal Block |