

59.00 EUR
incl. 19% VAT, plus shipping

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

Support: Specifications

- 16 × 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.

Range of product	NORVI X

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
Dimmensions	81 x 104 x 23 mm
Mounting	DIN RAIL
Terminal Type	Push-in terminal
Envirement	**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