

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

- Norvi X Series !
- 2xRS232 / 2xRS232 !
- 4x UART-Port !
- Extension !



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

- 2 x RS485 communication ports
- 2 x RS232 communication ports
- 4 x UART ports (multiplexed)
- Industrial-grade RS485 and RS232 transceivers
- Flexible I/O routing via GPIO- and CS-controlled switching
- UART pins usable as GPIO when not configured for UART
- Designed for NORVI X expansion architecture

The NORVI X-UARTIO is a versatile communication expansion module for the NORVI X modular controller platform. It provides multiple serial communication interfaces including RS485, RS232, and UART, enabling flexible connectivity to industrial devices, sensors, meters, and peripherals.

The module uses shared MCU I/O lines with intelligent switching, allowing multiple physical ports to be supported while minimizing processor pin usage. Interface selection is fully controlled via firmware.

#### **System Architecture:**

RS485: Half-duplex differential communication

RS232: Full-duplex serial communication

UART (TTL level): Direct MCU UART / GPIO connectivity

|                          |  |
|--------------------------|--|
| Product type / Model     | Expansion Module f. NORVI X Series<br>NORVI X-UARTIO   |
| 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> |  |
| RS485 Channels           | 1 (Selectable)   |
| RS232 Channels           | 1 (Selectable)   |
| UART Channels            | 2 (Multiplexed)  |
| RS485 Transceiver        | SN65HVD72DGKR  |
| UART Logic Level         | TTL  |
| Power Supply             | Supplied via NORVI X expansion bus   |
| Communication Bus        | Internal Expansion Bus   |
| Connector Type           | Push-in Terminal Block   |