

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

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|--------------------------|--|
| Product type / Model | Expansion Module f. NORVI X Series NORVI X-UARTIO |
| 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 | |
| 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 |