39.00 EUR
incl. 19% VAT, plus shipping

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

Support: Specifications

- 2 × RS485 communication ports
- 2 × RS232 communication ports
- 4 × 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

Range of product	NORVI X

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
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	
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