



94.95 EUR

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

- LoRa



Support: [📄 Datasheet](#) | [📄 Brochure](#) | [📄 Example Libraries](#)

Expansion Module Adding functions for controllers NORVI is always about on connectivity and expandability. This is the time to make use of Expansion port of NORVI Controllers. The series of expansion modules connects to NORVI IoT controllers via its I2C and UART connections. You can add more features to the NORVI Controller without huge customizations. NORVI provides true technology with reliability for industrial applications being worlds iot hardware manufacturer. We have included NB-IoT, LoRa and analog modules as expansions.

LoRa communication module with the RYLR896 transceiver provides ultra-long range spread spectrum communication and high interference immunity whilst minimising current consumption. The module is certified by NCC and FCC.

- Semtech SX1276 Engine
- High efficiency Power Amplifier
- 127 dB Dynamic Range RSSI
- Built-in and external antenna options
- REYAX RYLR896 | 868 / 915 Mhz
- REYAX RYLR406 | 426 / 433 / 470 Mhz

Range of product	NORVI Expansion
Product type	Expansion Module - NORVI-EX-NB95X
Rated supply voltage	12 - 24V DC
Field of Application	NB-IoT
Applicable Devices	NORVI IIOT / NORVI Arita
Acquisition	Wheatstone bridge load cell
ADC Chip	HX711
RF Band	<p>B1 @H-FDD: 2100MHz</p> <p>B3 @H-FDD: 1800MHz</p> <p>B8 @H-FDD: 900MHz</p> <p>B5 @H-FDD: 850MHz</p> <p>B20 @H-FDD: 800MHz</p> <p>B28* @H-FDD: 700MHz</p>
RF Output power	23dBm±2dB
RF Sensivity	-129dBm±1dB
Complementary	
Local signalling	<p>1 LED green for PWR</p> <p>1 LED green for Communication</p>
Electrical connection	Removable screw terminal block for inputs and outputs (pitch 5.08 mm)
Mounng support	<p>Top hat type TH35-15 rail conforming to IEC 60715</p> <p>Top hat type TH35-7.5 rail conforming to IEC 60715</p>
Height	86.00 mm
Depth	59.00 mm
Width	35.00 mm
Product weight	0.91 Kg
Environment	
Relative humidity	10 ...95% without condensation in operation
IP degree of protection	IP20
Operating altitude	0...2000m
Storage altitude	0...3000m
Shock resistance	15 gn for 11 ms
Operating temperature	-40 to +85 °C
NB-IoT Module communication	
Module Type	QUECTEL BC95-G
Communication	UART

Module Address	NA
Command set	AT
Connection	NORVI IIOT : UART0 (RXD0, TXD0)
	NORVI ARITA : UART2(RXD2,TXD2)