



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 | B1 @H-FDD: 2100MHz B3 @H-FDD: 1800MHz B8 @H-FDD: 900MHz B5 @H-FDD: 850MHz B20 @H-FDD: 800MHz B28* @H-FDD: 700MHz |
| RF Output power | 23dBm±2dB |
| RF Sensivity | -129dBm±1dB |
| Complementary | |
| Local signalling | 1 LED green for PWR 1 LED green for Communication |
| Electrical connection | Removable screw terminal block for inputs and outputs (pitch 5.08 mm) |
| Mounng support | Top hat type TH35-15 rail conforming to IEC 60715 Top hat type TH35-7.5 rail conforming to IEC 60715 |
| 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) |