



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

- NB-IoT



**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.

Nb-IoT communication module with the BC95-G provides ultra low power communication interface for NORVI controllers. The module supports the global bands making it applicable around the world with a super high sensitivity.

- extremely low power
- Embedded Internet Services Protocols
- Quectel Enhanced AT Commands
- Built-in and external antenna options
- I2C Interface with controller

|                  |                 |
|------------------|-----------------|
| Main             |                 |
| Range of product | NORVI Expansion |

|                             |                                                                                                             |
|-----------------------------|-------------------------------------------------------------------------------------------------------------|
| Product type                | Expansion Module - NORVI-EX-LR4XX                                                                           |
| Rated supply voltage        | 12 - 24V DC                                                                                                 |
| Field of Application        | LoRa Communicaon                                                                                            |
| Applicable Devices          | NORVI IIOT / NORVI Arita                                                                                    |
| RF Band                     | 868 / 915 MHZ Type A and 426/433/470 Type B                                                                 |
| RF Output power             | -4 dBm to 15 dBm                                                                                            |
| RF Sensivity                | -148 dBm                                                                                                    |
| Communication Range         | 4.5 km to 15 km                                                                                             |
| Complementary               |                                                                                                             |
| Local signalling            | 1 LED green for PWR<br><br>1 LED green for Communicaon                                                      |
| Electrical connection       | Removable screw terminal block for inputs and outputs (pitch 5.08 mm)                                       |
| Mounting support            | Top hat type TH35-15 rail conforming to IEC 60715<br><br>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              | 0.12 Kg                                                                                                     |
| Environment                 |                                                                                                             |
| Relave 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                                                                                               |
| Analog Module communication |                                                                                                             |
| Module Type                 | RLYR894   RLYR406 (Order depending on regional regulaons)                                                   |
| Communication               | UART                                                                                                        |
| Module Address              | NA                                                                                                          |
| Command set                 | AT                                                                                                          |
| Connection                  | NORVI IIOT : UART0 (RXD0, TXD0)<br><br>NORVI ARITA : UART2(RXD2,TXD2)                                       |