



84.95 EUR

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

- 2x Digital I/O
- I2C



**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.

- 2 channel load cell interface with HX711 24 bit ADC
- I2C Interface with controller
- On-chip acve low noise PGA with selectable gain of 32, 64 and 128
- Built-in power supply regulator for load-cell
- Simultaneous 50 and 60Hz supply rejection
- Selectable 10SPS or 80SPS output data rate

|                      |                                  |
|----------------------|----------------------------------|
| Main                 |                                  |
| Range of product     | NORVI Expansion                  |
| Product type         | Expansion Module - NORVI-EX-BR01 |
| Rated supply voltage | 12 - 24V DC                      |

|                             |                                                                                                             |
|-----------------------------|-------------------------------------------------------------------------------------------------------------|
| Field of Application        | Weight readings                                                                                             |
| Applicable Devices          | NORVI IIOT / NORVI Arita                                                                                    |
| Acquisition                 | Wheatstone bridge load cell                                                                                 |
| ADC Chip                    | HX711                                                                                                       |
| Complementary               |                                                                                                             |
| Local signalling            | 1 LED green for PWR                                                                                         |
| 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                 |                                                                                                             |
| 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                                                                                               |
| Analog Module communication |                                                                                                             |
| Module Type                 | HX711                                                                                                       |
| Communication               | Serial Interface                                                                                            |
| Module Address              | NA                                                                                                          |
| Command set                 | <a href="https://norvi.lk/forums/">https://norvi.lk/forums/</a>                                             |