



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)
	Top hat type TH35-15 rail conforming to IEC 60715
Mounting support	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	https://norvi.lk/forums/