

129.00 EUR
incl. 19% VAT, plus shipping

- STM32L072 Controller !
- IP67 Rated Enclosure !
- Wall mount / Pole Mount !
- 2× digital inputs !

The EC-M12-BC-C6-C-C is a rugged, IP67-rated IoT telemetry unit designed for reliable outdoor and remote monitoring applications. Powered by high-capacity non-rechargeable lithium batteries, it delivers years of autonomous operation even in harsh environments.

Built on the ultra-low-power STM32L072CZT6 MCU, the device supports multi-network cellular connectivity for seamless data transmission. It also integrates directly with two industrial digital input (DI) interfaces, making it ideal for use in utilities, environmental monitoring, agriculture, and industrial asset management.

- EC-M12-BC-C6-C-C
- Rugged industrial design (IP67)
- Long battery life (38,000 mAh)
- Reliable operation (STM32L072)
- Secure connectivity (SIM7070)
- Dual digital input configuration for pulse counting, flow meters, and switch-based monitoring
- 12 V sensor power supply

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|---|---|
| Range of product | Model C |
| Product type | NORVI SENSOR NODE |
| Rated supply voltage | Built-in Battery LiSoCL |
| Communication | SIMCOM SIM7070 – 2G / NB-IoT |
| Sensor Power | 12V DC / 5V DC |

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| Displays and Visual Indicators | Connectivity Indicator |
| Enclosure | ABS + PolyCarbonate / IP67 |
| Mounting / Installation Method | Wall mount / Pole Mount |
| Terminal Type | M8 – 8 pin connector |
| Dimmensions | 146 x 50 x 90 mm |
| IP degree of protection | IP67 |
| Operating altitude | 0...2000m |
| Operating temperature | -40 to +85 °C |
| Shock resistance | Not Applicable |
| Resistance to electrostatic discharge | VBAT/GND: ±5 kV / ±10 kV<br>Antenna: ±5 kV / ±10 kV<br>USB: ±4 kV / ±8 kV<br>UART: ±4 kV / ±6 kV<br>Other pads: ±1 kV / ±2 kV |
| Certifications | EN 61131-2:2007<br>EN 61010-1:2010+A1:2019<br>EN IEC 61010-2-201:2018<br>2014/30/EU- Electromagnetic Compatibility (EMC)<br>Annex III, Part B, Module C |
| Product Unified Code / Part Number | EC-M12-BC-C6-C-C |
| **Peripherals** | |
| Card Type | MicroSD |
| Interface | SPI |
| Modem | SIM7070 |
| Technology | LTE Cat-M1<br>NB-IoT (NB1/NB2)<br>GSM/GPRS fallback (2G) |
| Coverage / Supported Bands | (B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B26/B27/B28/B66) for Cat-M/NB, plus quad-band GSM (850/900/1800/1900 MHz). |
| Data Rate | LTE Cat-M1: up to 588 kbps DL / 1119 kbps UL<br>NB-IoT: up to 26 kbps DL / 62.5 kbps UL<br>GPRS: 85.6 kbps DL / UL |