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**EC-M12-BC-C6-C-D (Battery-Powered Cellular IoT Data Logger, 1× digital input, 2× analog inputs)**

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0.00 EUR

incl. 19% VAT, plus shipping

- **STM32L072 Controller !**
- **IP67 Rated Enclosure !**
- **1× digital input !**
- **2× 4-20mA / 0-10V analog inputs !**

The EC-M12-BC-C6-C-D 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 2 × Analog Inputs (4–20 mA) and Digital Input interfaces, making it ideal for utilities, environmental monitoring, agriculture, and industrial asset management.

- EC-M12-BC-C6-C-D
- Rugged industrial design (IP67)
- Long battery life (38,000 mAh)
- Reliable operation (STM32L072)
- Secure connectivity (SIM7070)
- Flexible mixed-I/O configuration for installations that combine discrete and analog field signals.
- 1× digital input
- 2× 4-20mA / 0-10V analog inputs
- 12 V sensor power supply

|                                       |                                                                                                                                                                                 |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product                      | Model D                                                                                                                                                                         |
| Product type                          | NORVI SENSOR NODE                                                                                                                                                               |
| Rated supply voltage                  | Built-in Battery LiSoCL                                                                                                                                                         |
| Communication                         | SIMCOM SIM7070 – 2G / NB-IoT                                                                                                                                                    |
| Sensor Power                          | 12V DC / 5V DC                                                                                                                                                                  |
| Displays and Visual Indicators        | Connectivity Indicator                                                                                                                                                          |
| Enclosure                             | ABS + PolyCarbonate / IP67                                                                                                                                                      |
| Mounting / Installation Method        | Wall mount / Pole Mount                                                                                                                                                         |
| Terminal Type                         | M8 – 8 pin connector                                                                                                                                                            |
| Dimensions                            | 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: $\pm 5$ kV / $\pm 10$ kV<br>Antenna: $\pm 5$ kV / $\pm 10$ kV<br>USB: $\pm 4$ kV / $\pm 8$ kV<br>UART: $\pm 4$ kV / $\pm 6$ kV<br>Other pads: $\pm 1$ kV / $\pm 2$ 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-D                                                                                                                                                                |
| <b>Peripherals</b>                    |                                                                                                                                                                                 |
| 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

NB-IoT: up to 26 kbps DL / 62.5 kbps UL

GPRS: 85.6 kbps DL / UL