

129.00 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
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 Antenna: ±5 kV / ±10 kV USB: ±4 kV / ±8 kV UART: ±4 kV / ±6 kV Other pads: ±1 kV / ±2 kV
Certifications	EN 61131-2:2007 EN 61010-1:2010+A1:2019 EN IEC 61010-2-201:2018 2014/30/EU- Electromagnetic Compatibility (EMC) Annex III, Part B, Module C
Product Unified Code / Part Number	EC-M12-BC-C6-C-D
Peripherals	
Card Type	MicroSD
Interface	SPI
Modem	SIM7070
Technology	LTE Cat-M1 NB-IoT (NB1/NB2) 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