



General Information

The Serial to LoRa RF/WAN Converter is a versatile communication module designed to convert data from various serial communication interfaces into the LoRa RF or LoRaWAN protocol. Supporting different interfaces such as UART, RS232, RS485, SPI, I2C, CAN, and BLE, the device communicates reliably with field equipment and transmits the acquired data to the target LoRa RF or LoRaWAN infrastructure.

The device is not limited to wireless conversion; it can also route data received from any serial input channel to other required serial output channels. The product is available in two different hardware variations: LoRa RF or LoRaWAN converter. Both models support serial routing capability along with wireless conversion functionality according to their own protocol. In addition, thanks to programmable plugin support, the device can process incoming data according to defined rules, and these settings can be loaded without the need for software updates

Serial to LoRa RF/WAN Converter

General Features

- LoRa RF or LoRaWAN Converter Option
- Multi-Serial Communication Interface Support
- Serial Routing Capability
- Optional Data Interpretation and Processing
- Configuration via BLE
- Design Suitable for Industrial Working Conditions
- Easy Installation and Operation
- Secure Communication
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- Ability to Work with Mains Voltage
- Water and Dust Resistant (IP67)
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Technical Specifications

Power Supply	100–240 V AC 50/60 Hz	Protocol Support	LoRaWAN
Power	3 Watt (max)	Operating Temperature	-25/+50°C
LoRa RF operating frequency	868 MHz	Length	150mm
LoRa RF/WAN data rate	DR0 – DR5	Width	120mm
LoRaWAN Classes	Class A, Class C	Height	65mm
LoRaWAN Version	1.0.3	IP Class	IP67
Communication Interfaces	UART, RS232, RS485, CANBus SPI, I2C, BLE, LoRa	RF İletim Gücü	+14 dBm
RF Receiver Sensitivity	-138 dBm	Wireless Transmission Distance	Up to 3 Km

Product Images

