

LoRaWAN Universal Data Collector

This LoRaWAN universal data collector is designed for various applications, enabling long-range wireless communication. It supports data acquisition, processing, and transmission, making it suitable for remote monitoring and control systems.



ADDITIONAL IMAGES



Overview

Universal LoRaWAN Data Collector

This universal data collector leverages edge computing to bridge RS485 interface standards with LoRaWAN wireless networks. Designed for industrial reliability, it supports automatic data acquisition and two-way transmission, overcoming traditional LoRaWAN data volume limitations. Its compact rail-mount design and high adaptability make it an efficient solution for remote monitoring and complex IoT deployments.

Wireless Performance

Key Wireless Metrics

20 dBm

RF Power

-143 dBm

Receive Sensitivity

Supported Frequencies

433MHz, 470MHz, 868MHz, 923MHz

Electrical & Hardware

Power & Capacity

| Parameter | Specification |
|---------------------|-----------------------|
| Input Voltage | AC 220V or DC 12V/24V |
| Power Consumption | d W (Active) |
| RS485 Load Capacity | Up to 32 devices |
| RS485 Max Distance | 800 meters |

Environmental & Safety

Certifications

ISO 9001 • ISO 14001

Operating Environment

- Temperature: -20°C to +60°C
- Humidity: d 95% RH
- Impact Voltage: 2kV
- Electrostatic Discharge: 4kV