



packetMODBUS

PacketMODBUS RS485 is a device that provides an easy and cost-effective way to connect devices to any Modbus Master or system via LoRaWAN®. The device is mounted in a DIN Rail. It can be added to any ModBUS Network.

Modbus is a serial communication with PLC (*programmable logic controller*). RS485 is a balanced line, half-duplex transmission system allowing transmission distances of up to 1.2km.

By just connecting any analog or digital device to packetMODBUS, enterprise clients or solution providers can transmit data to LoRaWAN® and enable them to develop and deploy LoRaWAN®-enabled solutions.

Another type of this device is **packetMODBUS+** which denotes additional 4-20mA protocol.

Features

- Optimized as IoT end-node
- Notification when unit gets disconnected to power source
- Backup Battery- LiFePo4
- Din Rail Mounted
- Downlink Programming
- Adjustable Reporting interval via DOWNLINK
- 4-20mA Option

Applications

- Electric Meter reading
- Power Meter Reading
- Water meter Reading and Control
- Flow Devices Read and Control
- Actuated valve Control
- PLC communication

Technical Specification

LoRa

Device	S76S
Integrated MCU	STM32L073xZ
Integrated RF IC	SX1276
Frequency	868Mhz
Antenna	PCB Internal
Range	Up to 15k
RF Power	+25dBm

Electricals

Input Voltage Rating	4-60VDC
Operating Current	250mA (max)
Operating Voltage	3.3V - On-board Electronics
Power source	4-60V DC input and internal battery
Battery Type	LiFePo4 (backup battery)
Battery Capacity	250mAh/configurable

General Device Specifications

Sensors	4-20mA RS485-TTL converter 16Bit ADC
Operating Temperature Range	-20°C to +70°C
Operating Voltage	DC 3.0-5.5V
Operating Current	8mA
Accuracy	N/A
Protection Grade	IP65

Mechanical

Dimension	86.8mm x 35.6mm
Mounting	DIN Rail
Outdoor Installation	N/A

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