LoRaWAN RS485 Converter

LoRaWAN RS485 converter is designed to reduce the problem of installation of RS485 cables for monitoring various devices with the RS485 interface supporting Modbus RTU.

Providing a Long Range Wireless Communication Coverage Of 3 Km with Low Power Consumption

LoRaWAN RS485 converter is a ideal way to connect existing equipment to cloud using a long range wireless

Key Features at a glance:

Modbus RTU through RS485

Standard LoRaWAN Connectivity

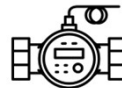**Support Class A and Class C operations**

AES128 bit End to End Encryption

Personal Support for your Implementation

Application Areas:

Energy Monitoring

Flow metering

Process Monitoring

Predictive Maintenance

Asset monitoring

Specifications	
Input Power	**9 – 24 VDC**
Power Consumption	**Less than 1 W @ 12 VDC**
Protections	**Reverse Polarity, Overvoltage (+/- 35 VDC), Short Circuit, Transient Voltage, TVS/ESD**
Connector	**5mm pitch screw terminal blocks**
Enclosure	**ABS Enclosure**
Installation Type	**Plug and Play**
Dimensions	**Modular Architecture (132mm x 70mm x 49mm)**
Warranty	**12 Months from date of installation or 18 Months from date of delivery (whichever is earlier)***

Wire Connectivity	
Connectivity Supported	**RS485**
Protocol Supported	**Modbus RTU**
Communication Interface	**2 Wire Type**
Watchdog Timer	**System (5 Sec) and Communication**

Wireless Transmitter	
Antenna	**2 dB**
Antenna Wire Length	**3 meters**
Frequency band	**BW: 125kHz; 868MHz (865.00~867.00)**
Modulation	**LoRa Modulation**
Activation	**OTAA/ABP**
Data Rate	**Standard lorawan DR0-DR5**
Max Power	**20dBm**
Range Of Communication	**Around 3 Km at clear Line of sight**

For more information please visit http://www.uniconvergetech.in or email us at info@uniconvergetech.in

Environment	
Operating Temperature	**0 to 65°C**
Storage Temperature	**-10 to 70°C**
Operating Humidity	**5 – 95% RH (non-condensing)**

Mounting	
Built Architecture	**Modular**
Mounting	**DIN Rail Mountable, Wall Mountable, Stack Mountable**
Installation	**Plug and Play Device**

ORDERING INFORMATION	
Product Name	**Product Code**
RS485 LoRa Converter	**XXXX**

USE CASE