



**UniConverge
Technologies
Pvt. Ltd.**

RS485 LoRa Converter



CONVERGING UNIVERSE

RS485 LoRa Converter



The RS485 LoRa Converter Module is a trans-receiver device which can transmit as well as receive the data

It Provides RS485 interface supporting Modbus RTU Protocol

It Provides Wireless Communication Coverage Of 3 Km

It Also Has Low Power Consumption

Key Features at a glance:



Modbus RTU through RS485



Reduce wiring implementation cost



Rugged Durability With 8 Digital Input



Comprehensive Safety And Reliability



Personal Support for your Implementation

Application Areas:



Smart Irrigation



Smart Street Lights



Smart Car Parking



Smart Logistics



Utility Management

Specifications	
Input Power	Unregulated 9 – 24 VDC
Power Consumption	Less than 1 W @ 12 VDC
Protections	Reverse Polarity, Overvoltage (+/- 35 VDC), Short Circuit, Transient Voltage, TVS/ESD
Indication	Power (Red), Status (Green)
Connector	5mm pitch screw terminal blocks
Enclosure	ABS Enclosure
Installation Type	Plug and Play
Dimensions	Modular Architecture (115mm x 90mm x 40mm)
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
Indication	Green for Communication Status

Wireless Transmitter	
Antenna	2 dB
Antenna Wire Length	3 meters
Frequency band	923MHz (920.60~924.60), BW: 125kHz; 868MHz (865.00~868.00)
Modulation	LoRa Modulation
Data Rate	625bps--50kbps
Power	20dBm
Range Of Communication	Around 3 Km at clear Line of sight



CONVERGING UNIVERSE

Environment	
Operating Temperature	0 to 55°C
Storage Temperature	-10 to 70°C
Operating Humidity	30 – 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