



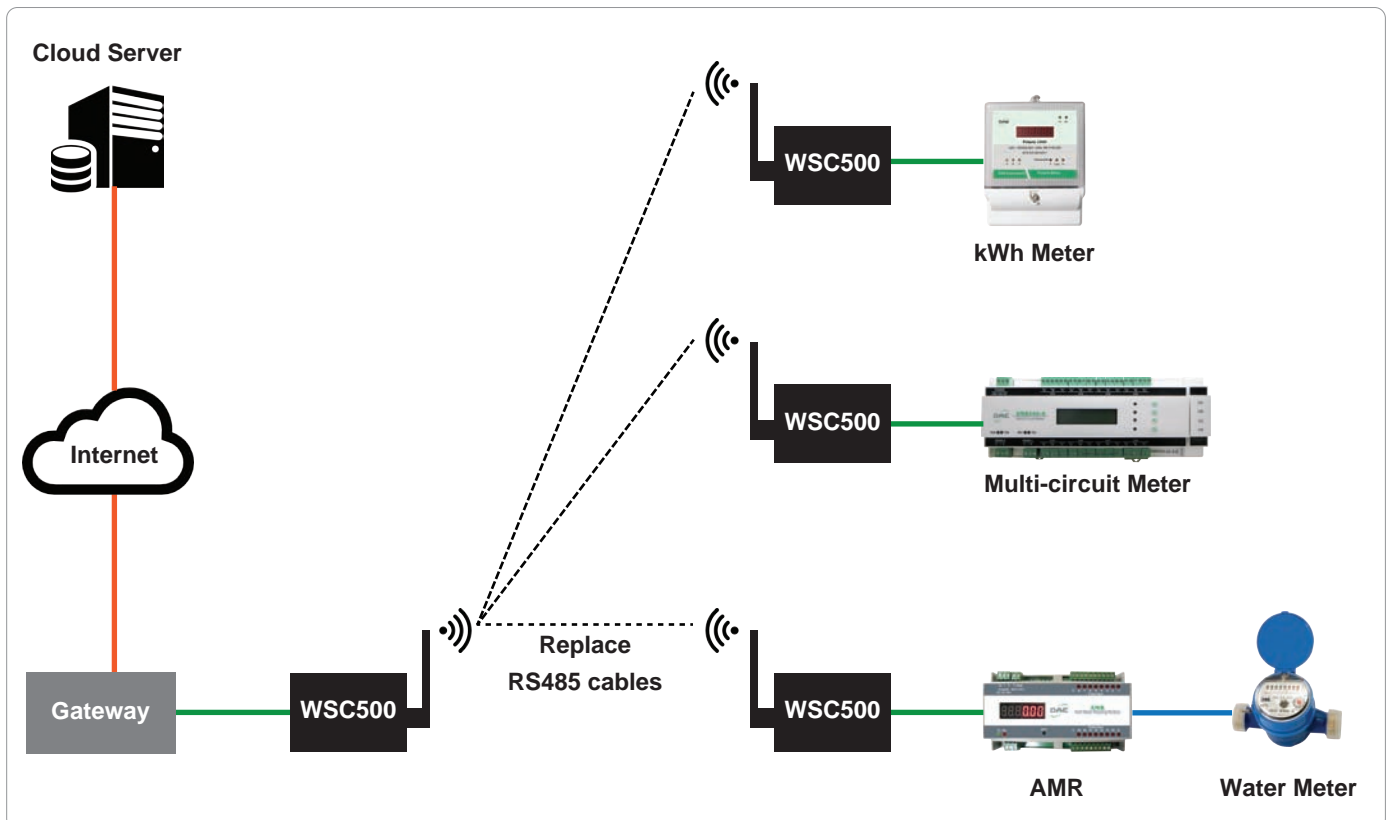
Overview

- WSC500 is a wireless data transceiver of 915M with standard RS232/RS485 connectors. They are half-duplex. TX & RX modems with LoRa technology and transparent transmission mode. Voltage supply ranges from 8V to 28V, Working frequency: 900~931MHz (Default:915MHz).

Features

- The maximum transmit power is 1 Watt.
- Operation temperature range: -40°C+85°C
Aluminum case with the better heat dissipation
- Low power consumption
- High reliability, with overload protection and surge protection

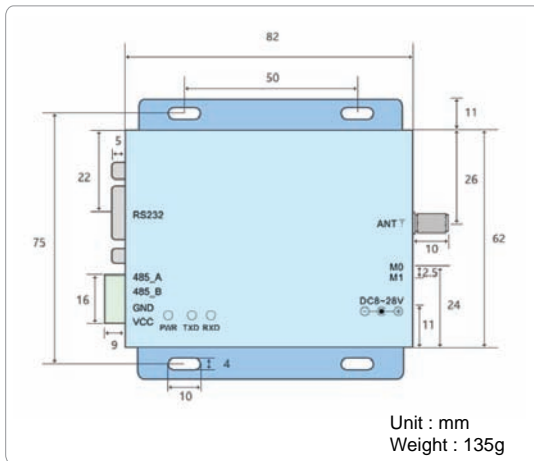
Applications



Specifications

Item	Description
Input Power	DC 8~24V (12V or 24V recommended)
Communication Port	RS485 port : Terminal block RS232 port : DB9
Baud Rate	1200 to 115200 bps (default 9600 bps)
Environment	Operating : -40~85°C, Storage : -40~125°C, 10~90% RH
Antenna impedance	50Ω
Address	0~65536 (default 0)
Frequency Range	900~931 MHz (default 915 MHz), half duplex
Transmit Power	21, 24, 27, 30 dBm (default 30 dBm) 135mW, 250mW, 500mW, 1W (default 1W)
Transmission rate	300, 1200, 2400, 4800, 9600 bps (default 2400 bps)
Power Consumption	12VDC, transmitting 693mA, standby 40mA 24VDC, transmitting 361mA, standby 34mA
Antenna	Suction type (3.5 dBi)
Distance	5 km (Clear weather, open area without obstacles, antenna 2 meters above the ground.)
Receiving sensitivity	-138dBm @ 0.3kbps

Dimensions



Antenna



Ordering

Order Code	Description
WSC500-S35	Data transceiver unit with suction type antenna (3.5 dBi) and power supply

*Due to continuous improvements and innovations, product specifications subject to change without notice.