

# LoRaWAN Indoor AP/Gateway 8 Channels

**Model Number: WRTM-326ACN3211S**

## Main Features:




- 1 WAN port(10/100) + 2 LAN ports(10/100)
- 2.4G dual band wireless 802.11 b/g/n/ac
- Various internet connection: Ethernet, Wireless bridge, 3G/4G dongle
- Support repeater mode for last mile coverage
- Support LoRaWAN protocol
- Cloud Service for Gateway health monitor and control
- Web UI for Router
- Support OTA and USB upgrade
- Support ADR
- Support Class A/B/C End-devices

This Internet of Things (IoT) LoRaWAN Access Point/Gateway is specifically designed for long range wide area applications (LPWAN). Applications include, but not limited to automatic meter reading, monitoring fault indicators, smart street lights, smart parking, smart waste collection, tracking devices, etc'. Typical deployment is using star network configuration similar to mobile network base station. Because of its long range, high penetration and high sensitivity capabilities as well as ability to serve many devices, it provides a much more cost effective way for service providers to deploy a network for sensors and controllers than any other methods (e.g. Cellular, Short range standards, etc').

This gateway is a Pico type and is very suitable for small business or private area use cases like parking spaces, exhibition centers, campuses, buildings, etc'. The gateway supports internet connection through WiFi, Ethernet and optional Cellular. It includes complete antennas kits for LoRaWAN and WiFi.

## Specification

<b>LoRaWAN Specifications:</b>	
Wireless Freq. Band: 915-917MHz complies with the Israeli MoC spec (other models for EU and US are also available)	
Channels/Bandwidth: 8 / 125KHz each	Modulation: Based on IEEE 802.15.4g
LoRa RF Chips: Semtech SX-1301/SX1257	Rx Sensitivity: Up to -142dBm
Tx Power: 100mW	Antenna Type: N-Type female
<b>WiFi Specifications – 2.4GHz:</b>	
Wireless Freq. Band: 2400-2483.5MHz	Standards: IEEE 802.11b/g/n (ETSI EN 300-328 / 300-440)
Tx Power: 100mW e.i.r.p	Antenna Type: N-Type female
<b>General Specifications:</b>	
Internet Connection: Single band WiFi, 1xWAN, 2xLAN, USB A-Type 2.0 for optional Cellular dongle	
Enclosure Protection: Industrial metal enclosure	Operation Temp.: 0°C ~ 40°C
Power Supply: DC 12V/2A	Certifications: NCC, FCC
Dimensions: L:195 x W:165 x H:35mm	Weight: 0.89Kg