

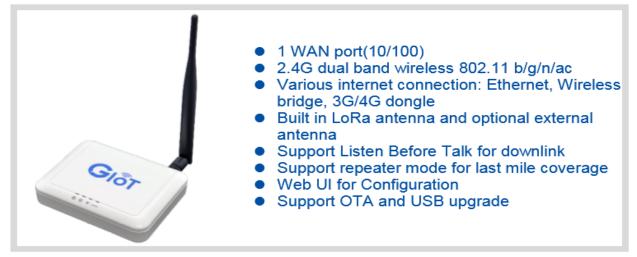
sales@hypertech.co.il | www.hypertech.co.il



LoRaWAN Femtocell AP/Gateway

Model Number: WLRGF-100X321IS

Main Features:



This Internet of Things (IoT)LoRaWAN Femto Access Point/Gateway is specifically designed folong 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 penetrationand high sensitivity capabilities well as ability to serve many devices, it provides a much more cost effective way for service providers to deploya network for sensors and controllers than any other methods (e.g. Cellular, Short range standards, etc') This gateway isa Femto type and is very suitable for small business or private area use case like parking spaces, exhibition œnters, campuses, buildings, etc'. It is also suitable for providing coverage for indoor blind spots. The gateway supports internet connection through WiFiEthernet and optional Celluar.LoRa Antenna, USB cable and RJ45 cable is included in the package

Specification

LoRaWAN Specifications:			
Wireless Freq. Band: 915-917MHz complies with the Israeli MoCspec (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:	Built-in and optional external
WiFi Specifications – 2.4GHz:			
Wireless Freq. Band:	2400-2483.5MHz	Standards:	IEEE 802.11b/g/n/ac (ETSI EN 300-328 / 300-440)
Tx Power:	100mW e.i.r.p	Antenna Type:	SMA male type
General Specifications:			
Internet Connection: WiFi, 1xWAN, USB A-Type 2.0 for optional Cellular dongle			
Power Supply:	DC 12V/2A	Operation Temp.:	-10°C ~ 55°C
Dimensions/Weight	: L:116 x W:91 x H:27mm / 0.18Kg	Certifications:	NCC, FCC

©Gemtek Technology Inc., All Rights Reserved. This document is for planning purposes only, and is not intended to modify or supplement any specifications or warranties relating to products of Gemtek Technology. Gemtek may make changes to specifications and descriptions at any time, without notice.