

# Femto Gateway



## LoRa IoT Gateway Solution

This Internet of Things (IoT) Femto Access Point/Gateway is specifically designed for wide area smart grid applications. Applications include, but not limited to automatic meter reading, monitoring fault indicators, monitoring street lights, etc. Typical deployment is using star network configuration similar to mobile network base station. Because of its long range and many device capabilities, it is a much more cost effective way for service providers to deploy this for sensor networks than to deploy a GPRS network for sensor network applications.

This gateway is very suitable for small business or private area use case like parking space, Exhibition Center or campus etc. It is also suitable for providing coverage for indoor blind spots.

### Key Feature :

- 1 WAN port(10/100)
- 802.11 b/g/n 2T2R
- Various internet connection: Ethernet, Wireless bridge, 3G/4G dongle
- Security AES 128
- Built in LoRa antenna and optional external
- Support Listen Before Talk for downlink
- Web UI for Configuration
- Support OTA and USB upgrade

## Specification :

Chipset	MT7620A
LoRa	SX-1301 with SX-1257
Memory	256MB
Flash	512MB
Wireless	b/g/n 2.4GHz 2T2R
Frequency Band	2412-2472MHz 902~928MHz ISM or 868MHz
Modulation	IEEE 802.15.4g
Transmit Power	Up to 0.5W
Receive Sensitivity	-142 dBm
Antenna	External Antenna
Channel	8 Channel for EU/US
Operating Voltage	DC 12V/2A
Temperature	-10°C to + 55°C(Operating)
LED Indicator	4 LED I/O interface
I/O interface	1x WAN, 1x USB2.0, 1x DC Jack in
Dimension	L: 116 x W:91 x H:27 mm

