PJW
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cThings®

LoRaWAN Gateway

A smart way to connect devices

Our LoRaWAN gateway is an easy-to-install product for internal use that enables you to connect thousands of devices to the cloud whatever your application.

Introducing the cThings® Internal LoRaWAN Gateway

The LoRaWAN gateway enables your end LoRaWAN devices, such as sensors, to talk to the cloud. We provide a range of gateways with differing back haul technologies, such as ethernet or cellular.

The internal LoRaWAN gateway is ideal for providing connectivity within high rise buildings, commercial settings and retail environments. Allowing you to connect 1,000's of devices with minimal hassle and cost.

Our internal gateway includes the option for WiFi, ethernet and 4G backhaul, allowing for flexibility and network resilience.

The gateways are provided fully commissioned and ready to connect with the cThings Cloud. Ensuring simple installation and enabling you to setup a working LoRaWAN network in minutes.

FEATURES

— WiFi, Ethernet or 4G-LTE backhaul options
— End-to-end security
— Quick and easy to deploy
— External antenna for improved performance and range
— Remote firmware and security updates
— Power over ethernet available
— Open protocol

BENEFITS

— Connect 1,000's of devices instantly
— Fully connected to the cThings Cloud for firmware updates and remote monitoring
— Affordable connectivity for a wide range of applications
— Out-of-the-box preconfigured for simple installation

Call us on **+44 (0) 1223 944118**, email **info@cthings.io** or visit **cthings.io**

Specifications

COMMUNICATIONS

LoRa frequency band	868MHz
LoRa channel plan	EU868 (other available)
Channel capacity	8 channels half-duplex
Transmit power	14 dBM - 27 dBm
Cellular (if fitted)	4G-LTE, 3G, 2G and GPRS
WiFi (if fitted)	WiFi: 802.11 (2.4 & 6 5GHz)

ELECTRICAL

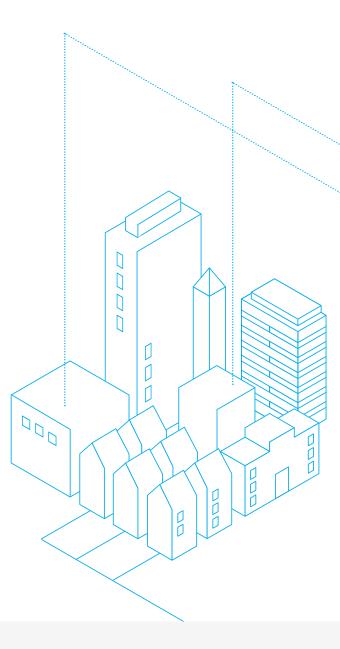|	
Nominal voltage	110-240 VAC (+/- 10%)
Frequency	50/60 Hz
Power consumption (maximum)	Less than 2.5 W
Power consumption (nominal)	Less than 1 W

MECHANICAL

Dimensions (W x H x D)	162 x 135 x 43 mm
Protection class	IP 30
Weight	0.5 kg

ENVIRONMENTAL

Operating temperature	-30°C to 70°C
Operation altitude	0 to 2000 m
Usage environment	Indoors
Storage temperature	-40°C to +85°C

CERTIFICATIONS

EMC compliance	EN 55032 Class A
Safety compliance	EN 60950-1