

LoRaWAN Gateway

LoRaWAN Communications Gateway







The LoRaWAN Gateway is a configurable, scalable cellular communications gateway for LoRaWAN wireless IoT networks. It captures data from LoRaWAN devices and sends it via an ethernet or cellular connection to the Cloud.

The LoRaWAN Gateway features an easy-to-use graphical interface for set-up and includes a built-in LoRa network server and packet forwarder to connect locally clustered assets on a private LoRaWAN network directly to a choice of IoT data platforms.

Quick-to-deploy and easy to customize and manage, the LoRaWAN Communications Gateway is an easily programmable gateway to enable users to realize their IoT application.



Key Features

-  Reduces the cost and complexity of device deployment
-  Built in ethernet for internet connectivity
-  Supported by Synetica for enLink device networks
-  Built in 4G-LTE modem for securely sending data via cellular networks
-  External IP67 base station ruggedised version available for outdoor LoRaWAN networks
-  Connects a wide range of assets locally to the gateway

Applications



Commercial



Energy



Infrastructure



Retail



Healthcare



Education

enVision LoRaWAN Gateway

The engineering team at Synetica have many years' experience in monitoring and analysing critical information for the facilities management, commercial and industrial sectors.

The LoRaWAN Gateway is part of a range of air quality, asset and energy monitoring systems available from Synetica which includes indoor and outdoor air quality monitors, environmental sensors, water leak sensors, air velocity & differential pressure monitors and temperature probes.

The combination of the integrated systems allow building and facility managers to accurately and continuously measure a range of parameters providing valuable information for building and equipment efficiencies.

All our UK manufactured systems incorporate LoRaWAN wireless technology so that data can be easily transmitted for analysis over long distances.

If you have a specific requirement for an air, environmental, energy or asset monitoring solution, contact us to learn more about how our precision monitoring technologies could help.



About us

Synetica was established in 2008 with the simple idea to revolutionise air quality monitoring, energy usage and remote asset monitoring. Our global customer base relies on our expertise to help them reduce emissions and clean up the air they breathe by allowing them to monitor their energy usage and key environmental parameters via the touch of a button.

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Features & Benefits

Reliable LoRaWAN gateway

Fully tested, in real-world scenarios

Multiple power options including power brick and PoE serve a variety of applications

LoRa omni-directional internal antenna with +2 dBi gain for 868/915 MHz ISM band

Models available with external LoRa antenna for improved performance

Ethernet RJ-45 10/100 BaseT for IP backhaul

Optional 4G-LTE IP backhaul

Built-in LoRa network server and packet forwarder

Certified for Europe 868Mhz and North America 915MHz channel plans

Support for up to 8 channels to receive data simultaneously

Ruggedised IP67 version available for outdoor applications

