

# GY36 Wireless Ethernet Gateway

## Overview

NuWave's GY36 Ethernet Gateway collects and coordinates all the information from the NuWave Sensor units deployed in the vicinity of the device.

The device temporarily buffers the local sensor data before interfacing through existing Ethernet networks for WAN connectivity to NuWave's centralised cloud server.

If the availability of an Ethernet network is limited or restricted, NuWave can supply an optional Ethernet to Cellular converter to allow customers to get their units online regardless of local internal network restrictions.



## Compatible Products

- LumAir LU45 Microbial Detection Sensor
- TD40 Particle Counter
- WB55 Particle & CO2 Sensor
- QA20 PPB VOC Sensor
- QA15 IAQ Sensor

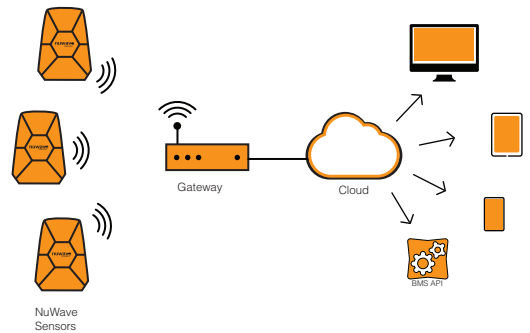
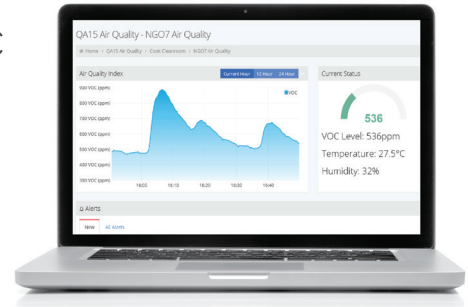
## GY36 Features



## Using the device

The GY36 unit powers on when plugged into the AC/DC adapter supplied with the product. When the device is connected to a DHCP enabled Ethernet port it will connect to the NuWave cloud server automatically. Each unit is preconfigured to operate as the host of a private and secure ZigBee network between the sensor modules and the GY36 gateway.

Should the user need to configure the gateway settings, the unit is accessible through an online interface running on a webserver inside the device. This will allow users to change network settings, alter transmission intervals, update the firmware etc.




## Specifications:

### Performance

Range	Indoor range up to 30m	Outdoor range 100m
Antenna	2.4GHz 3dB Antenna ariel w/ SMA male	Height 107mm
Ethernet	RJ45 10/100	-

### Environment

Temperature range	Operating Temperature °C	0 to 85°C
Humidity range	% RH continuous, non-condensing	5 to 95%
Enclosure	IP rating at proper indoor installation	IP30
Weight	Enclosure weight excluding adapters	175g
Certification & Compliance		

### Inputs and Outputs

Input	100-240V International Adapter	DC 12V +/- 10%, 420mA (Supplied)
Gateway Power	55mA @ 12V	
Wireless Outputs	ZigBee, 3G/4G (Optional)	Gateway (supplied), Dongle 3G/4G (optional)