

DATA SHEET

# GW3000 and GW3100 Gateways

Supports Wi-Fi and BLE Tag messages



## Description

Gateways GW3100 and GW3000 serve as receivers for messages from Wi-Fi and BLE Tags. Received Tag messages are relayed to the AeroScout Location Engine (ALE).

The Gateways also include Wi-Fi and BLE transceivers, which monitor the Wi-Fi and BLE receivers. The Gateways report an error if an issue with the receivers is detected.

## How It Works

### Gateway Management

The GW3000 and GW3100 Gateways are managed, configured and continuously monitored by the ALE. Events about errors in the Gateway or about the Gateway being unreachable are sent to Arial or MobileView.

Updating the GW3000 and GW3100 Gateway firmware is performed using the ALE.

### Powering the Gateways

Both Gateways can be powered by a 24/48 V power supply, 24/48 V central power, POE or POE+.

### Gateway LEDs

The LED indicator of the GW3000 and GW3100 Gateways displays a color based on the device status: constant green when the Gateway is on and working properly; or constant red when there is an error, the network is down or there is no communication with the ALE.

### GW3100 Switched Gateway

The GW3100 supports switching capabilities, whereby it can be connected to another Gateway instead of a switch port. The GW3100 functions as a one-port switch when its LAN/POE OUT is connected to another GW3100. The Gateway OUT Port can also serve as a power supply for the switched Gateway.

A switched GW3100 is managed and monitored by the ALE. Its status appears in the Aeroscout Engine Manager (AEM).

Up to five switched GW3100 Gateways can be switched together when PoE+ or 48 V power supply is used as the power source of the first Gateway.

### IP Address

The Gateways support both Static IP and DHCP setup.

The IP Address can be reset using an IP Reset button on the Gateway.

## Product Highlights

- **Non-switched GW3000 Gateway**  
– The non-switched Gateway is an economical choice where one Gateway can provide the desired coverage and/or serve as a supplement to an existing WiFi network.
- **Switched GW3100 Gateway**  
– Enables switching up to five GW3100 Gateways to one PoE+ switch port.
- **Flexible Installation** – Includes various wall, ceiling and rail mounting options.
- **Gateway Power Source** – Both Gateways can be powered by a 24/48 V power supply, 24/48 V central power, POE, or POE+.
- **Easy Configuration and Firmware Upgrade** – The configuration and firmware upgrade of both Gateways can be performed using the AeroScout Engine Manager.
- **Events** – Events about errors in the Gateway and about the Gateway being unreachable are available in Arial and MobileView.

## Data Sheet: GW3000 and GW3100 Gateways

Product Specifications	
Part Number	SKU: GW-3000, GW-3100
Dimensions	Dimensions: 5.5 Length x 5.5 Width x .19 Thickness inches (140 x 140 x 30 mm)
Weight	Approximately 127 g (4.5 ounces)
Housing	Polycarbonate and ABS
Power	Input voltage 24-48 VDC PoE (802.3af) PoE+ (802.3at)
Network Interface	Ethernet 802.3 100Base-T (RJ-45) WI-FI 802 11 b/g/n
Safety	USA/Canada: UL 60950-1 2nd edition; CAN/CSA-C22.2 No. 60950-22:17; UL 62368-1 2nd edition; IEC 62368-1:14 Europe: EN 60950-1:06+A11:09+A1:10+A12:11+A2:13; EN 62368-1:14+A11:17 International: IEC 60950-1:05+A1:09+A2:13; IEC 62368-1:14
Radio	Europe: EN 300 328 V2.1.1:16 Canada: RSS-247 USA: FCC-certified
EMC	EU/USA/Canada: Draft EN 301 489-1 V2.2.0; Draft EN 301 489-17 V3.2.0; 47 CFR Part 15 Sub B; ICES-003
Environmental	Storage temperature: -40 to 85°C (-40°F to 185°F) Operating temperature: 0 to 50°C (32°F to 122°F) Humidity: 0 to 95%, non-condensing



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