



# Cloudleaf Gateway™

## Model GW1 (Standard)

A lightweight, secure access device for high density connectivity. The Gateway is the Sensor Fabric™ connection to the Cloudleaf Cloud Platform, creating scalability, link redundancy, and spectral diversity.










The Cloudleaf Gateway™ Model GW1 (Standard) utilizes proven wireless technology standard (BLE) to communicate with Cloudleaf sensors as well as third-party iBeacon certified sensors. It includes two independent BLE radio subsystems, which create scalability, link redundancy, and spectral diversity.

The Gateway is designed to operate in harsh industrial environments, with the ability to withstand extended operating temperature range from 0 to 60°C. The

Gateway can be wall or ceiling-mounted and provides visibility of thousands of end-node devices over a 70,000 sq. feet coverage range.

For downstream device security, the Gateway supports native 128-bit AES encryptions for all communications to the end-nodes.

## Features

<p><b>Industrial Grade</b> </p> <p>Designed for durability: Water and Dust resistant</p>	<p><b>Flexible Mounting</b> </p> <p>Multiple mounting options: Adhesive mounting to Screw installations</p>	<p><b>Bidirectional Communication</b> </p> <p>Supports bidirectional communication and over-the-air (OTA) configuration and update</p>	<p><b>Coverage Area</b> </p> <p>70k Sq. ft. Area in Near-LOS industrial setting</p>	<p><b>Long Range</b> </p> <p>Range of 150ft line of sight</p>
<p><b>Sensor Management</b> </p> <p>Tracks 250+ unique sensors/sec but manages thousands of Sensors in Field-of-View (FoV)</p>	<p><b>Mesh &amp; Handoff</b> </p> <p>Meshing and handoff capabilities with other Zone Sensors and Gateways</p>	<p><b>Location Framework</b> </p> <p>DSP Filtering, Channelization, Motion Sensing</p>	<p><b>Network Optimization</b> </p> <p>Event and Time based sensing</p>	

## Specifications

<ul style="list-style-type: none"> <li>• Dimensions: W99mm x L118mm x H25 mm</li> <li>• Weight: 150g (5.29oz)</li> <li>• Multiple BLE Radios</li> </ul>	<ul style="list-style-type: none"> <li>• Operating Temperature: 0° to 60°C</li> <li>• IP-51 compliant</li> <li>• WPA/WPA2/WEP security</li> </ul>	<ul style="list-style-type: none"> <li>• Operating Humidity 0 to 95% RH</li> <li>• Typical power consumption &lt;5W (DC 5V@2A)</li> </ul>	<ul style="list-style-type: none"> <li>• FOV (Field of View): Internal 360 Omni°</li> <li>• WiFi 802.11 a/b/g/n (2.4-2.5 GHz, 5.15-5.95GHz)</li> </ul>	<ul style="list-style-type: none"> <li>• Ethernet supporting PoE (add-on)</li> <li>• Native 128-bit AES encryptions, SSL/TLS for Cloud Communication</li> </ul>
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