



**DESCRIPTION**

The Gooee Mesh Access Point (MAP) provides a wired, Power over Ethernet (PoE) extension to an existing installation.

This allows either the total number of managed nodes to be increased or the physical extension of the system over different areas or floors.

It provides a direct PoE link between its local Gooee Bluetooth SmartMesh network and the Gooee Enterprise Gateway or Dell Edge Gateway (5000 Series).

It is primarily designed to communicate with luminaires and other connected devices using Gooee’s Bluetooth SmartMesh.

**FEATURES**

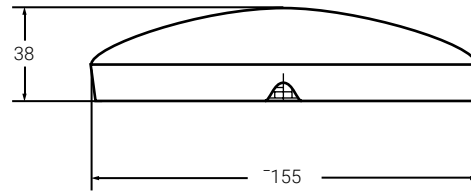
- Secure communication to Gooee’s Building Operating Platform (BoP) via a Gooee Enterprise Gateway or Dell Edge Gateway (5000 Series)
- Secure communications between the Gateway, WIMs and other wireless-based devices
- Directly connects over 100\* Gooee WIMs via Gooee’s Bluetooth SmartMesh
- Wired Power over Ethernet (PoE) interface via the local network for connection to the Gateway and then to the Gooee Building Operating System (BoS)
- Support for Gooee’s Bluetooth SmartMesh
- Supports over-the-air updates including managed updates to WIMs / Sensors
- Cables can be fed from the rear of the housing for discrete ceiling mounting



**TECHNICAL SUMMARY**

**Physical Characteristics**

Dimensions (mm)	∅ 155 x 38mm
Dimensions (in)	∅ 6.1" x 1.5"
Mounting	Screw mounting (Surface mounting adapter provided)
Weight	0.2 kg



**Environmental Requirements** Intended for indoor use only!

IP Rating	IP20
Ambient Temperature	-20°C to 50°C -4°F to 122°F
Minimum clearance around the installed MAP	50mm
Approvals	GWY CE (EN 60950-1:2006 IEC EN 62368-1:2014 EN 301 489-17, EN 55032:2015 EN 55035:2017, ETSI 300 328 V2.1.1 EN 62479:2010)

**Wireless Interfaces (Communications Module)**

Gooee Bluetooth SmartMesh Network (100-150 nodes dependent on service profile)

**Electrical Supply**

Supply Voltage	48V DC (over PoE)
Auxiliary Voltage	12V DC (Auxiliary supply socket in situations where PoE is not preferred)
Power Requirements	Maximum 2W

**Hardware Overview**

696 MHz Cortex A7 ARM CPU  
 512MB DDR3 RAM  
 4GB MLC eMMC flash storage  
 microSD card socket

**Physical Interfaces (Wired)**

- Ethernet (RJ45) - Gigabit with POE
- 1x Auxiliary supply jack
- 1x Micro USB (Debug)
- Reset switch
- Power status LED

**ECOSYSTEM ARCHITECTURE**

