



HM-WF-O-O-1011 – hyMesh™/Wi-Fi with Omni Antennas

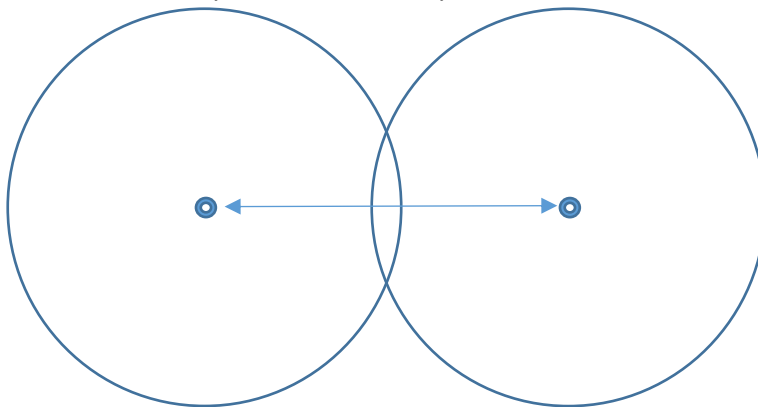
Description:

- Combines the best of HM-O-1001 and WF-O-1016 into one compact, economical, rugged, and weatherproof package.
- Provide a hyMesh™ networking node as well as local Wi-Fi access.
- Mobile. Mount in a vehicle and provide instant Wi-Fi access anywhere in range of a hyMesh™ node connected to your gateway.

Application:

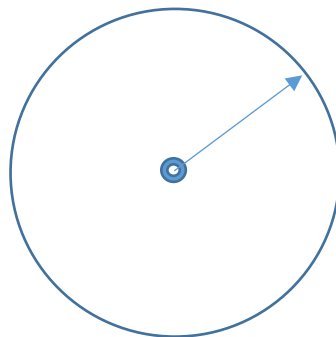
- A Wi-Fi access point (AP) is networked directly to the hyMesh™ node internally, using the longer range of the hyMesh™ node to bring the Wi-Fi to where you need it most.
- Paying for a cell connection for your bin monitor? Install an HM-WF unit in range of your bins and switch to a Wi-Fi gateway to reduce subscription fees.

700m hyMesh™ Omni to hyMesh™ Omni



hyMesh™ Omni Coverage Pattern

Wi-Fi Access Point
100m radius of access



Wi-Fi Access Point Omni Coverage Pattern



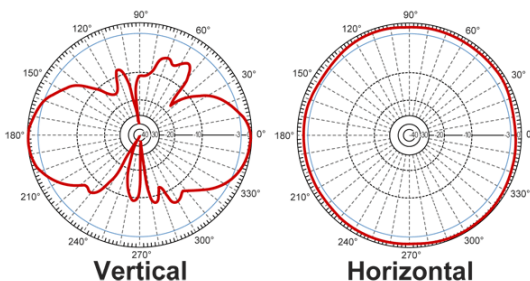
Installation Considerations.

- Requires 12V DC injected through a 3-pin Micro-Con-X connector.
- Use an AC/DC power adapter, a car lighter adapter, or a battery adapter cable. No PoE supply required.
- The Wi-Fi Omni antenna has a typical range of 100m,
- The hyMesh™ Omni antenna has up to 700m connectivity to another hyMesh™ Omni, or up to 2km to a hyMesh™ with a directional Yagi.
- The Wi-Fi access point is customizable with its own secure SSID and password.
- No Ethernet access.

Specifications:

hyMesh™ Firmware	4.8.1 (June 8 2016)
Networking interface	Wireless data connection only
Wireless Approvals	FCC Part 15.247, IC RS210, CE
Wi-Fi Mode	IEEE 802.11 B/G/N mixed
Dimensions	31"x1.6" / 790mm x 40mm
Weight	1.75lb / 795g
Enclosure	Aluminum
Operating Frequency	hyMesh™: 5745MHz – 5825MHz AP: 2412MHz – 2462MHz
Power Method	3 pin Micro-Con-X DC injection
Power Supply	12V/1A DC adapter
Avg Power Consumption	4W
Antenna Gain, each	4dBi
Antenna Polarization, each	Vertical
Antenna Frequency	hyMesh™: 4900MHz – 5850MHz AP: 2400MHz – 2500MHz
Vertical / Horizontal Beamwidth	hyMesh™: 42° / 360° AP: 30° / 360°
VSWR	hyMesh™: <1.8:1 avg. AP: <1.5:1 avg.
Accessories included	12VDC/1A AC/DC, Car lighter adapter, battery cable adapter

5.8 GHz Omni Gain Pattern



2.4GHz Omni Gain Pattern

