



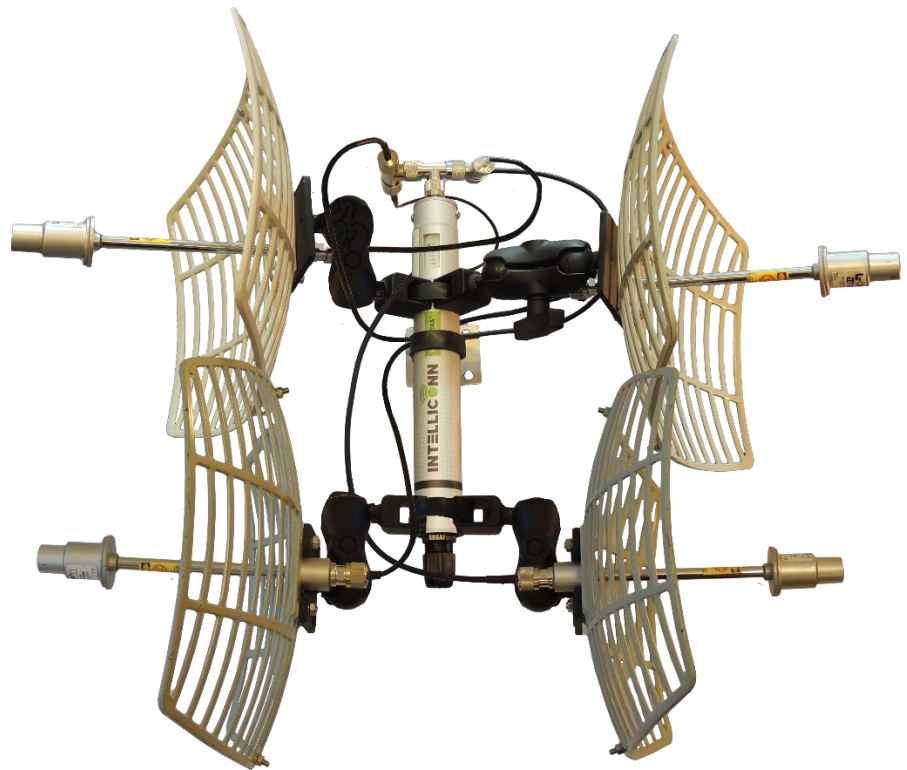
# HM-B-DG4-1009 – hyMesh™ Backhaul with 4 Directional Grid Antenna

## Description:

- A high performance hyMesh™ product with four grid antennas
- Designed for a reliable and fast data connection when it matters most.
- Provides a focused high speed data link between critical sites.

## Application:

- A distribution point connection link from the ISP Hub, splitting the signal in three directions while still communicating back along the path to the internet Gateway.
- Grid is more focused than the Yagi allowing for longer distance, fewer hops, and a higher data through rate.



Link to another Grid

3.4 km Quad Grid to Single Grid

Backhaul Grid to Backhaul Grid Coverage Pattern Example

Link to another Grid

Link to another Grid

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**Installation Considerations:**

- The four antenna configuration can be used to reach three end point clients or branch out to reach three new clusters of service clients.
- Typically, dependent on the antenna configuration on the other end of the link, connectivity of over 3 km achievable.

**Specifications:**

hyMesh™ Firmware	4.8.1 (June 8 2016)
Networking interface	1 x 10/100 BASE-TX (Cat. 5, RJ-45) Ethernet
Wireless Approvals	FCC Part 15.247, IC RS210, CE
Dimensions	Backhaul, no antenna: 13.5"x1.6" / 340mm x 40mm Antenna, each: 11.8"x15.8"x10.5" / 300mm x 400mm x 270mm
Weight	10.4lb / 4.7kg
Enclosure	Aluminum
Operating Frequency	5745MHz-5825MHz
Power Method	Passive PoE (Pairs 4, 5+; 7, 8 Return)
Power Supply	15V 12W PoE Adapter Included
Avg Power Consumption	3W
Antenna Gain	22dBi
Antenna Polarization	Vertical or horizontal
Antenna Frequency	4900MHz - 5850MHz
Vertical / Horizontal Beamwidth	12° / 10°
VSWR	<1.5

22dBi Grid Antenna Gain Pattern

