

## HM-DP-AG-1010 – hyMesh™ Data Pipeline with Air Grid Antenna

### Description:

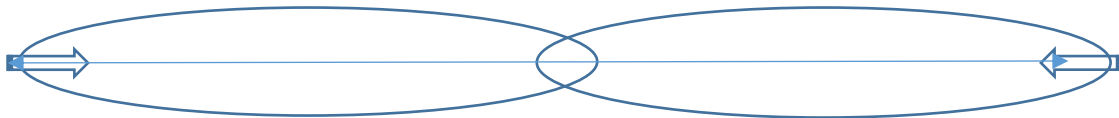
- A truly ultra-high performance point to point connection link.
- Featuring a tightly focused grid antenna.
- Maintains exceptional data rate quality over the longest distance of any of our products.

### Application:

- Can be used as a high data rate, one-hop link.
- Can also replace or enhance some links in a backhaul chain to incrementally improve end user data performance as customer count increases.



5 km Air Grid to Air Grid



Air Grid to Air Grid Coverage Pattern



**Installation Considerations:**

- Capable of maintaining data rate over distances up to 5 km between links.
- The radio is integrated into the antenna feedhorn, one antenna per radio.
- Back-to-back Air Grids are directly connected through Ethernet resulting in zero data rate loss.

**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	24.4"x18.1"x14.2" / 620mm x 460mm x 360mm
Weight	5.7lb / 2.59kg
Radio Enclosure	Outdoor UV Stabilized Plastic
Operating Frequency	57250MHz-5850MHz
Power Method	Passive PoE (Pairs 4, 5+; 7, 8 Return)
Power Supply	15V 12W PoE Adapter Included
Avg Power Consumption	3W
Antenna Gain	27dBi
Antenna Polarization	Vertical or horizontal
Antenna Frequency	4900MHz - 5850MHz
Vertical / Horizontal Beamwidth	8° / 7°
Max VSWR	1.5:1

27dBi Grid Antenna Gain Pattern

