



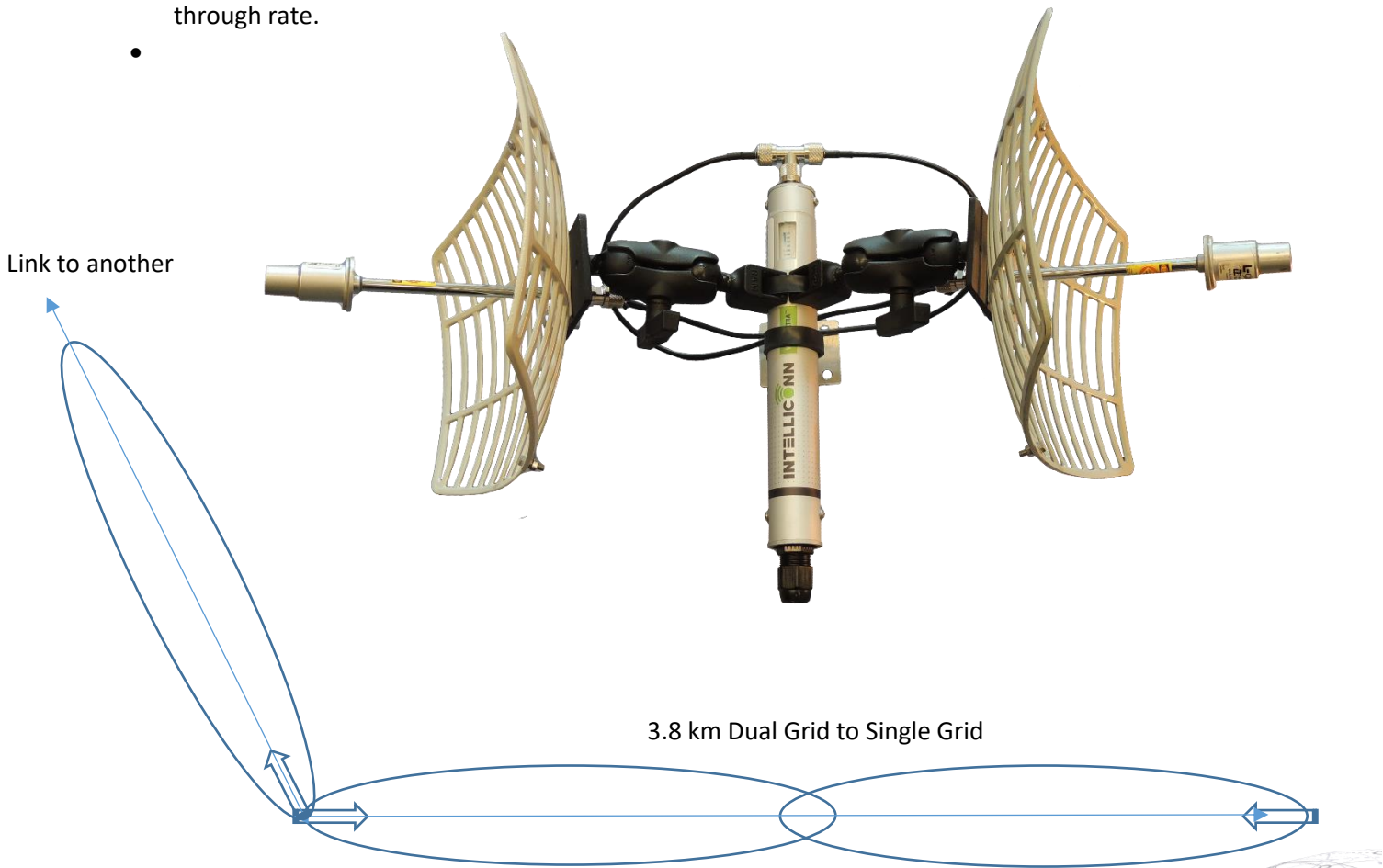
## HM-B-DG2-1007 – hyMesh™ Backhaul with 2 Directional Grid Antenna

### Description:

- A high performance hyMesh™ product with two 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:

- May be used from an ISP hub site to the client location to provide improved coverage to areas with less than ideal internet service.
- May be used as part of a dedicated data connection between two critical locations within a site.
- Grid is more focused than the Yagi allowing for longer distance, fewer hops, and a higher data through rate.
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Backhaul Grid to Backhaul Grid Coverage Pattern



**Installation Considerations:**

- Two antenna Backhaul is used as a relay point for longer hauls between end links not achievable in one hop.
- Powered through a PoE adapter.
- Up to 3.8km connectivity between grids.
- Can also be directly connected through Ethernet to a parallel backhaul or a Data Pipeline Air Grid for higher performance or longer distance connections.

**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	6.1lb / 2.8kg
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

