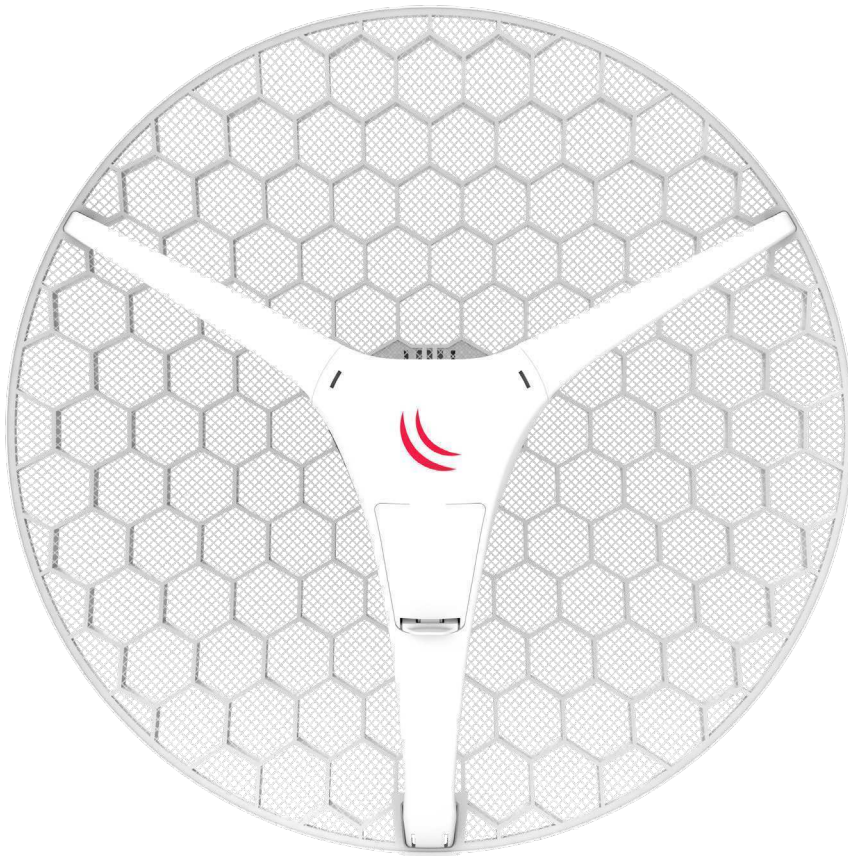


LHG 2 series

The Light Head Grid (LHG) is a compact and light wireless device with an integrated dual polarization grid antenna at a revolutionary price. It is perfect for point to point links or for use as a CPE at longer distances. We have two 2.4 GHz models available - LHG 2 with 18 dBi and LHG XL 2 with 21 dBi grid antenna.



LHG XL 2



The grid design ensures protection against wind, and the fact that the antenna element is built into the wireless unit means no loss on cables. The device comes disassembled for compact shipping, but is very easy to assemble and includes a simple to use grounding attachment point.



LHG 2

Specifications

Product code	RBLHG-2nD	RBLHG-2nD-XL
CPU nominal frequency	650 MHz	
Size of RAM	64 MB	
Storage	16 MB Flash	
10/100 Ethernet ports	1	
Wireless	Built-in 2.4 GHz 802.11b/g/n, dual-chain	
Wireless regulations	Specific frequency range can be limited by country regulations	
Wireless chip model	QCA9533	
Operating frequency	2412 - 2484 MHz	
Antenna gain	18 +/- 0.5 dBi	21 +/- 0.5 dBi
Antenna beam width	18°	
Operating temperature	-40 to 70° C	
Operating humidity	5 to 95% noncondensing	
Shock and vibration	ETSI300-019-1.4	
ETSI specification	EN 302 326 DN2	
Dimensions	Ø 391 x 222 mm; package 450 x 450 x 145 mm	Ø 550 x 245 mm; package 585 x 595 x 138 mm
Weight	Unit: 560 g; package: 1.98 kg	Unit: 945 g; package: 2.99 kg
Max Power consumption	5 W	
License level	3	

Wireless specifications

RATE	Tx (dBm)	Rx (dBm)
1MBit/s	25	-100
11MBit/s	25	-93
6MBit/s	25	-94
54MBit/s	22	-80
MCS0	25	-94
MCS7	21	-75

Included



24 V 0.38 A
power adapter



2x metal rings

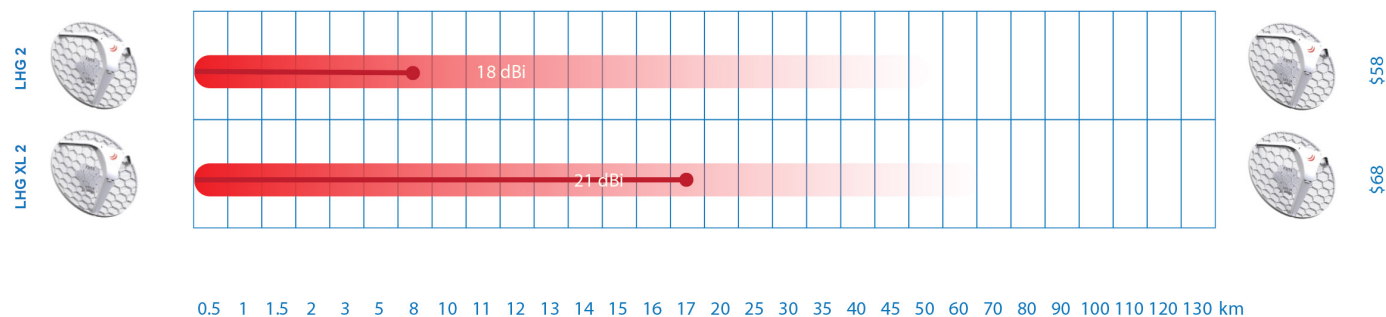


PoE injector



K-LHG kit

Maximum distance comparison



○ Distance at max supported 802.11a data rate (eg. 866Mbit) ● Distance at max supported 802.11n data rate (eg. 300Mbit) ■ Max range at -70 signal

Note: line of sight, interference, alignment, weather and other outside factors will affect the wireless link performance and possible distance