

PRODUCT OVERVIEW

The Luxul Wireless X-WAV 2x MIMO antenna combines a Right-Hand CP antenna with a mirror image Left-Hand CP antenna. This combination is capable of capturing signals of any possible polarization—allowing 802.11n MIMO access points or 802.11b/g diversity access points to maintain stronger links with clients in today's heavily multi-path office and warehouse environments.

With polarization diversity and isolated antenna elements, the XW-24O-FPS11M maximizes the throughput advantages of 802.11n devices and is ideal for high-capacity point-to-point links. Combined with an appropriate 802.11n MIMO radio on each end, the result is higher channel capacity and increased throughput relative to traditional antenna technologies.

Traditional 802.11b/g radios and access points with multiple antenna ports for diversity can also benefit from X-WAV MIMO antennas. Polarization and spatial diversity significantly improve the chances that one of the antenna ports can maintain a strong connection with a client device—minimizing the effects of multi-path interference and reducing dead spots.

Results may vary depending on environmental factors, interference, cable length and type, etc.

Product specifications, size and shape are subject to change without notice, and actual product appearance may differ from that depicted herein.

FCC Notice: The use of all radio equipment is subject to regulations in each country. To comply with FCC part 15 rules in the United States, radio equipment must only be used in systems that have been FCC certified. It is the responsibility of the user, professional installer, operator to ensure that only approved equipment, systems are deployed.

2.4GHz 2x MIMO Sector Antenna XW-24O-FPS11M



Luxul's X-WAV™ Antenna family implements Clear-WAV™ Circular Polarization (CP) technology for increased signal penetration, less interference and extended wireless coverage. X-WAV antennas are widely implemented and recommended for use in mobile applications. The CP of the X-WAV signal pattern allows for superior penetration of obstacles such as trees, walls, and buildings. X-WAV Multiple In Multiple Out (MIMO) antennas bring all of the advantages of CP and polarization diversity to new 802.11n MIMO systems, as well as traditional 802.11b/g access points.

Specifications	
Part Number	XW-24O-FPS11M
Type	2x MIMO Sector
Frequency Range	2400 - 2500 MHz
Gain	2 x 11 dBi
Polarization	1 x RHCP, 1 x LHCP
Connector	2 x N Female
Azimuth Beam Width	74 degrees
Elevation Beam Width	35 degrees
VSWR	< 1.5 : 1
Port to Port Isolation	25 dB Minimum, 30 dB Typical
F/B Ratio	24 dB
Impedance	50 Ohm
Dimensions	W: 8" (203.2mm), L: 8" (203.2mm), H: 1.6" (40.64mm)
Weight	14.5 oz. (411g)
Mounting	2 1/4x20 1/2" studs
Radiation Pattern	

PRODUCT SHIPS WITH:

Antenna, HDW-AM-UOD outdoor wall mount, Quick Install Guide