

4.9-6.4 GHz, 16.5dBi 90 Degree Sector Antenna, 2-Port,
Horizontal/Vertical Type N Female Connector



HG4964-16DP-90

Features

- High-performance gain and patterns that are stable over a wide bandwidth
- Interference mitigation with highly suppressed side-lobes and superior front-to-back that allows channel reuse
- Universal radio bracket with quick-release slot/clip design is compatible with many AP radios
- Ultra-wide bandwidths for world-wide markets
- Integrated hoisting hook for added safety and convenient installation
- Null fill improves coverage near the tower
- Mechanical Tilt from -9 to 20 Degrees

Applications

- Wireless MIMO LAN systems & IEEE 802.11n applications
- Point-to-multipoint (PtMP) requiring sectorial coverage
- Supports public safety (4.9 GHz), U-NII-1, 2, 3, and 4 (5.15-5.925 GHz), and up to 6.4GHz for world-wide market
- Mobile WiMAX Wireless Internet Provider “cell” sites
- High-density deployments requiring frequency reuse to achieve high capacity and data rates
- Macro base station or small cell deployments

Description

L-Com’s 4.9-6.4 GHz 16.5 dBi 90 Degree Sector Antennas are in stock and ready to ship today. The Wireless Sector Antenna HG4964-16DP-90 is a 4.9 GHz to 6.4 GHz sector antenna that features 2-ports horizontal and vertical polarization and radiates with a 3 dB beamwidth of 90° and a high gain of 16.5 dBi. This HG4964-16DP-90 sector antenna provides high signal strength in its coverage area while maintaining an aesthetically small footprint.

The L-Com 4.9 GHz to 6.4 GHz 2-Port sector antenna features side- and back-lobe suppression technology and provides a front to back over 34 dB and a best-in-class gain. Our 90° high gain 16.5dBi, low side lobes, and superior front to back mitigates interference and enables frequency reuse in noisy areas. The 90 Degree sector antenna is compatible with many 4.9GHz to 6.4GHz single or dual polarization 2 x 2 MIMO radios. L-Com’s HG4964-16DP-90 16.5dBi 90 Degree Sector Antennas are in stock and ready to ship today. The part number HG4964-16DP-90 simplify installation with the integrated hoisting hook and universal radio bracket that is compatible with many popular Cambium, Ubiquiti, Mimosa, and Baicells radios. In the 90° 2-ports, set and forget the rugged brackets which are built to survive high-wind coast or mountainous regions. The horizontal and vertical polarization sector antenna features a heavy-duty UV-resistant ABS radome and anodized aluminum reflector for all-weather operation. Contact the technical experts at L-com’s HG4964-16DP-90 4.9-6.4 GHz 16.5dBi 90 Degree Sector Antenna and make your purchase online today.

Configuration

Design	Sector
Band Type	Single
Radiation Pattern	Directional
Polarization	Vertical/Horizontal
Connector Type	N Female
Number of Ports	2
Lightning Protection	RF Connector Grounded to reflector and Mounting Bracket
Housing Material and Plating	Anodized aluminum

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	4.9		6.4	GHz

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications:
[4.9-6.4 GHz, 16.5dBi 90 Degree Sector Antenna, 2-Port, Horizontal/Vertical Type N Female Connector HG4964-16DP-90](#)

4.9-6.4 GHz, 16.5dBi 90 Degree Sector Antenna, 2-Port,
Horizontal/Vertical Type N Female Connector



HG4964-16DP-90

Input VSWR	1.5:1		
Impedance	50		Ohms
Gain	16.5		dBi
Electrical Downtilt	0		Degrees
Input Power		100	Watts

Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	4.9 to 5.4	5.4 to 5.9	5.9 to 6.4			GHz
Gain	16	16.5	17			dBi
Horizontal HPBW	95	90	80			Degrees
Vertical HPBW	6.2	6	5.7			Degrees
Electrical Downtilt	0	0	0			Degrees
Cross Polar Ratio HPBW	15	15	15			dB
Port Isolation	28	24	23			dB
Front to Back Ratio	34	36	35			dB
VSWR Max	2:1	1.7:1	2:1			

Mechanical Specifications

Radome Material	UV resistant PVC
Housing Material	Anodized aluminum
Size	
Length	21.4 in [543.56 mm]
Width	5 in [127 mm]
Height	2.7 in [68.58 mm]
Mounting Mast Diameter	0.75 to 4.5 in [19.05 to 114.30 mm]
Weight	10.5 lbs [4.76 kg]

Environmental Specifications

Temperature	
Operating Range	-40 to +60 deg C
Mechanical Tilt	30 Degrees
Wind Survivability	125 MPH [201.17 KPH]

4.9-6.4 GHz, 16.5dBi 90 Degree Sector Antenna, 2-Port,
Horizontal/Vertical Type N Female Connector

HG4964-16DP-90



Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

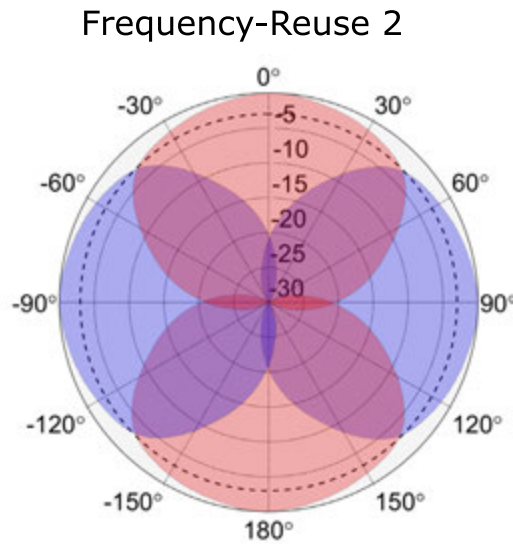
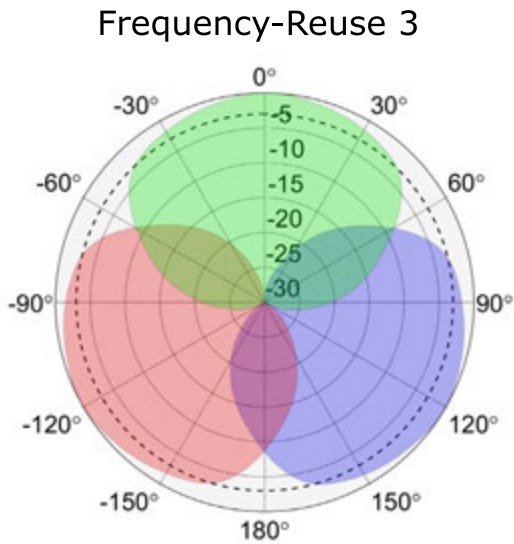
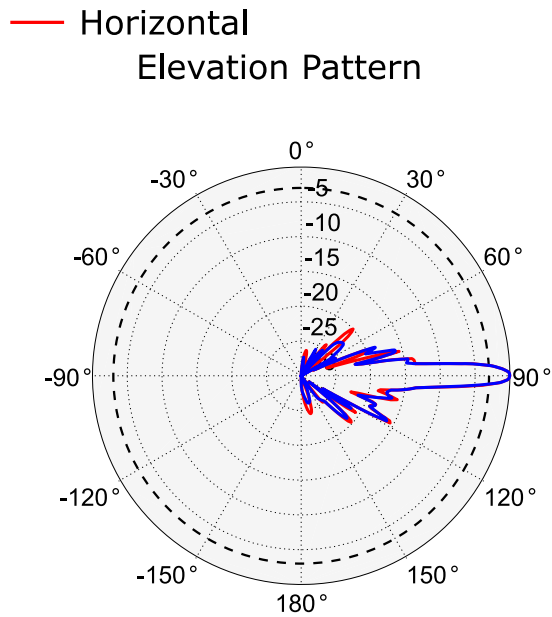
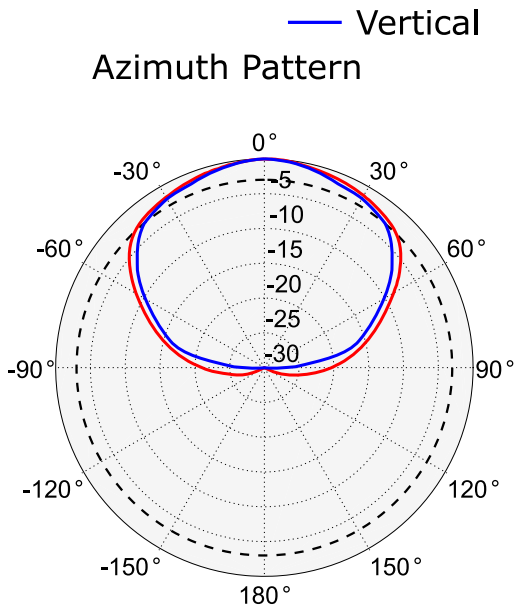
Notes:

4.9-6.4 GHz, 16.5dBi 90 Degree Sector Antenna, 2-Port,
Horizontal/Vertical Type N Female Connector



HG4964-16DP-90

Typical Radiation Pattern



4.9-6.4 GHz, 16.5dBi 90 Degree Sector Antenna, 2-Port,
Horizontal/Vertical Type N Female Connector

HG4964-16DP-90



4.9-6.4 GHz, 16.5dBi 90 Degree Sector Antenna, 2-Port, Horizontal/Vertical Type N Female Connector from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to impliment improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

4.9-6.4 GHz, 16.5dBi 90 Degree Sector Antenna, 2-Port, Horizontal/Vertical Type N Female Connector

L-com CAD Drawing

