

3300 MHz - 4200 MHz 17 dBi PRO 65 Degree Sector
Antenna +/-45 Slant (X-pol) - 8 x Type N Female

HGPRO3517DP8-065



Features

- 16 to 17 dBi gain
- Superior port isolation, cross polarization discrimination, gain, VSWR, and front-to-back
- 3300 to 4200 MHz for world-wide markets
- 35 dB Front to Back Ratio
- Eight (8) N Female Connectors
- Heavy-duty aluminum brackets with powder coated steel hardware
- Integrated hoisting hook for added safety and convenient installation
- Universal radio bracket with quick-release slot/clip design is compatible with many AP radios

Applications

- 3.5 GHz Citizens Broadband Radio Service (CBRS) applications
- Extended CBRS for 4.2 GHz (EMEA and UK) use
- Wireless LAN systems & IEEE 802.16e applications
- Mobile WiMAX Wireless Internet Provider "cell" sites
- SOFDMA
- Outdoor or indoor point-to-point (PtP) or point-to-multipoint (PtMP) in CBRS band
- For use in LTE and 5G bands n42, n43, n48, n49, n52, n77 and n78
- 4x4 and 8x8 MIMO ready

Description

The HGPRO3517DP8-065 from L-com 3.5 GHz 8-port Sector PRO Antenna provides industry leading gain, side lobes suppression, and high front to back ratio. Available in 65° beamwidth with dual +/-45 slant polarization, this antenna works from 3.3 GHz – 4.2 GHz. The HGPRO3517DP8-065 has gain performance of 16 to 17.5 dBi gain and is perfectly suited for macro base station or small cell deployments.

The L-com HGPRO3517DP8-065 antenna patterns are engineered to be symmetric in both polarizations, which will minimize chain imbalance. The 8 Type N connectors make 2x2, 4x4, and 8x8 MIMO configurations possible for high speeds or multiple technology deployments. The sector antenna's 17 dB side lobe suppression and superior 40 dB front to back ratio allows for channel (frequency) reuse and can reach high levels of spectral efficiency in the most challenging and noisy environments.

The 3300 to 4200 MHz HGPRO3517DP8-065 PRO sector antenna with 8 x N-type female connector has Universal radio brackets that are compatible with many popular radios. The antenna comes with an integrated hoisting hook for added safety and convenience. Our expert technical support and friendly, knowledgeable customer service personnel are available to assist you with your multiport macro base station antenna needs. Like our other products, the L-com HGPRO3517DP8-065 is in stock and ready to ship the same day.

Configuration

Design	Sector
Band Type	Single
Radiation Pattern	Directional
Polarization	±45 Deg. Slant
Connector Type	N Female
Number of Ports	8
Housing Material and Plating	Anodized Aluminum

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
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Frequency Range	3,300	4,200	MHz
Input VSWR	1.3:1		
Impedance	50		

Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	3.3 to 3.8	3.8 to 4.2				GHz
Gain	17	17.2				dBi
Horizontal HPBW	67	65				Degrees
Horizontal Squint (±)	1	1				Degrees
Vertical HPBW	8.8	8.3				Degrees
Electrical Downtilt	3.5	3.5				Degrees
Cross Polar Ratio HPBW	19	20				dB
Port Isolation	30	30				dB
Front to Back Ratio	40	40				dB
VSWR Max	1.5:1	1.5:1				
Maximum Input Power	100	100				Watts

Mechanical Specifications

Radome Material	UV Resistant PVC
Housing Material	Anodized Aluminum
Size	
Length	41.3 in [104.9 cm]
Width	9.7 in [246.38 mm]
Height	2.6 in [66.04 mm]
Weight	24.2 lbs [10.98 kg]

Environmental Specifications

Temperature	
Operating Range	-40 to +60 deg C
Mechanical Tilt	18 Degrees
Wind Survivability	100 MPH [160.93 KPH]

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

Plotted and Other Data

Notes:

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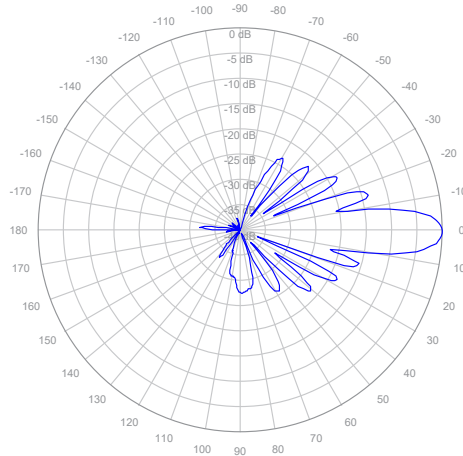
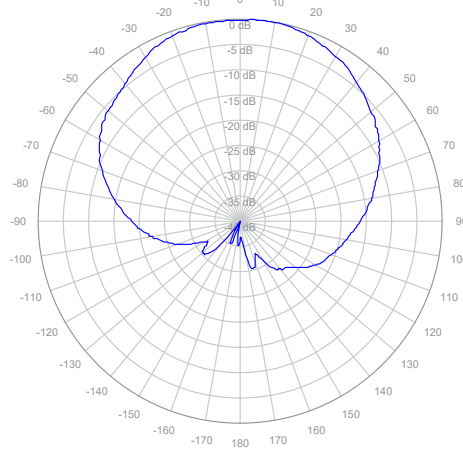
HGPRO3517DP8-065



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HGPRO3517DP8-065
+45 degrees

FileName: 3300.txt
Freq (MHz): 3300
Gain dBi (dBd): 16.4 (14.3)
Horz. Width: 67.45
Vert. Width: 10.39



1

3300 MHz - 4200 MHz 17 dBi PRO 65 Degree Sector
Antenna +/-45 Slant (X-pol) - 8 x Type N Female

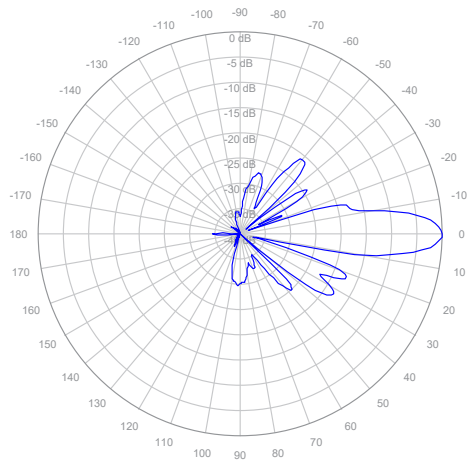
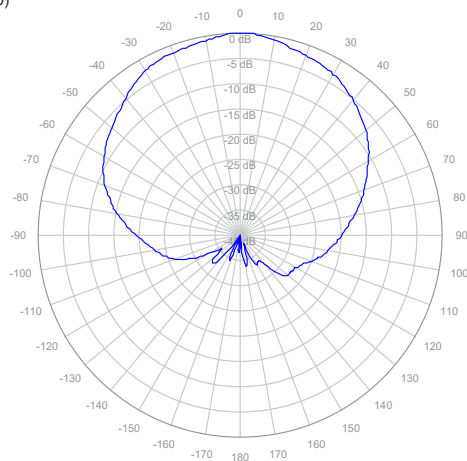
HGPRO3517DP8-065



L-com

HGPRO3517DP8-065
+45 degrees

FileName: 3800.txt
Freq (MHz): 3800
Gain dBi (dBd): 17.1 (15.0)
Horz. Width: 62.25
Vert. Width: 9.18



2

3300 MHz - 4200 MHz 17 dBi PRO 65 Degree Sector
Antenna +/-45 Slant (X-pol) - 8 x Type N Female

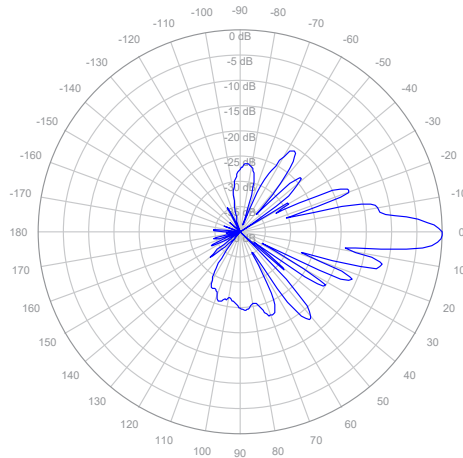
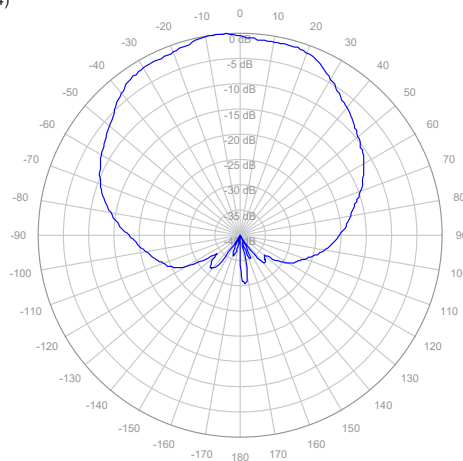
HGPRO3517DP8-065



L-com

HGPRO3517DP8-065
+45 degrees

FileName: 4200.txt
Freq (MHz): 4200
Gain dBi (dBd): 16.5 (14.4)
Horz. Width: 64.99
Vert. Width: 7.6



3

3300 MHz - 4200 MHz 17 dBi PRO 65 Degree Sector
Antenna +/-45 Slant (X-pol) - 8 x Type N Female

HGPRO3517DP8-065

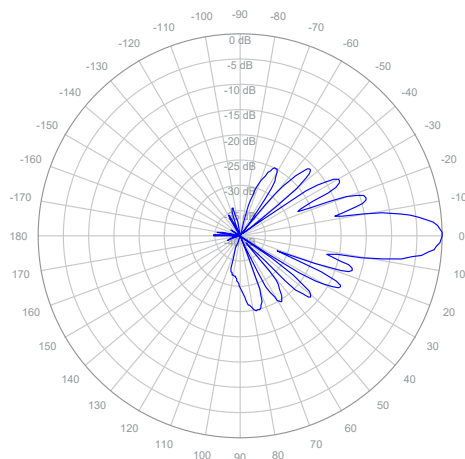
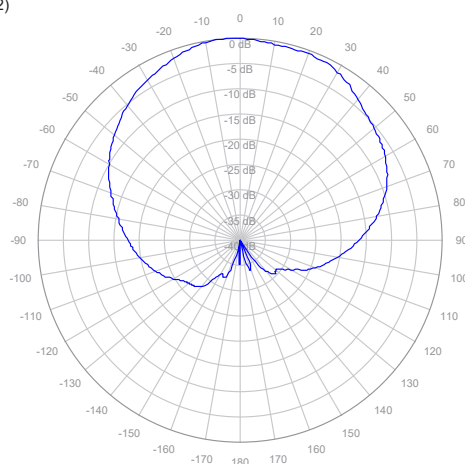


L-com

HGPRO3517DP8-065
- 45 degrees

FileName: 3300.txt
Freq (MHz): 3300
Gain dBi (dBd): 16.4 (14.2)
Horz. Width: 65.3
Vert. Width: 10.27

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an INFINITE brand



1

3300 MHz - 4200 MHz 17 dBi PRO 65 Degree Sector
Antenna +/-45 Slant (X-pol) - 8 x Type N Female

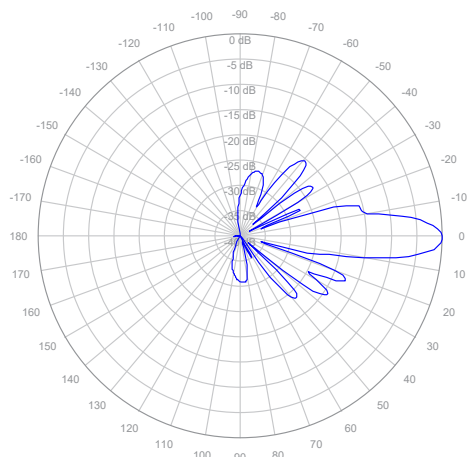
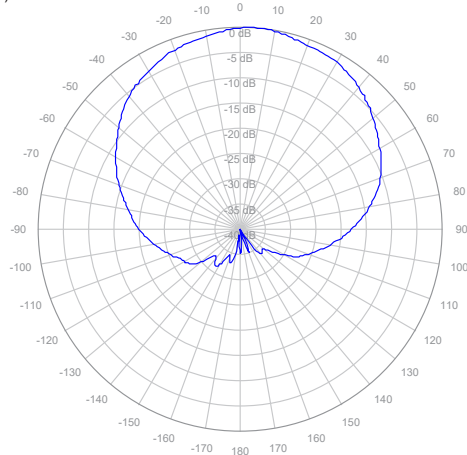
HGPRO3517DP8-065



L-com

HGPRO3517DP8-065
- 45 degrees

FileName: 3800.txt
Freq (MHz): 3800
Gain dBi (dBd): 17.1 (15.0)
Horz. Width: 63.65
Vert. Width: 9.08



2

3300 MHz - 4200 MHz 17 dBi PRO 65 Degree Sector
Antenna +/-45 Slant (X-pol) - 8 x Type N Female

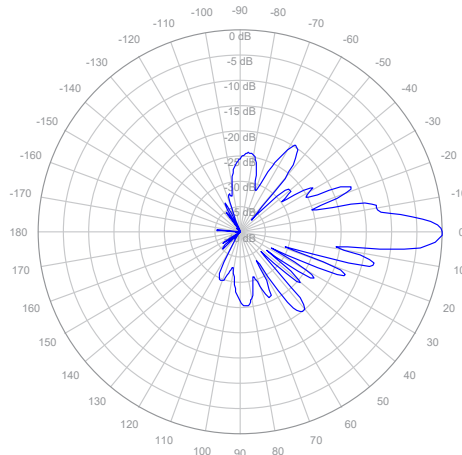
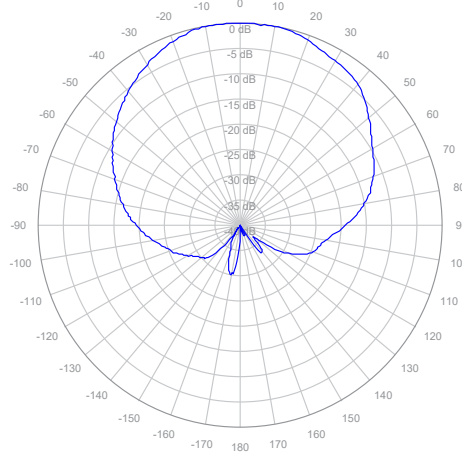
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HGPRO3517DP8-065
- 45 degrees

FileName: 4200.txt
Freq (MHz): 4200
Gain dBi (dBd): 16.7 (14.6)
Horz. Width: 65.16
Vert. Width: 7.94



3

3300 MHz - 4200 MHz 17 dBi PRO 65 Degree Sector Antenna +/-45 Slant (X-pol) - 8 x Type N Female from L-com has same day

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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 implement 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.

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L-com CAD Drawing

