

What are Wireless Antennas?

Wireless antennas are the part of a radio communications system that radiate and/or collect radio frequency energy.

How are Wireless Antennas used?

Wireless antennas are typically connected via low loss coaxial cable either to an amplifier, splitter, filter or directly to a wireless access point or router. For outdoor applications wireless antennas are often attached via mounting

Wireless Antenna Tutorial

clamps to a mast or to the side of a building via mounting brackets. Wireless Antennas used indoors are typically ceiling mounted or sometimes mounted high up on a wall.

Where are Wireless Antennas used?

Wireless antennas are used in many environments and for many applications. Models for both indoor and outdoor use are available as well as specialty antennas such as Marine antennas used in nautical applications.

Wireless antennas are used in both commercial and military/government applications including small office/home office (SOHO) networks, Enterprise (office) networks, supervisory control and data acquisition (SCADA) networks, homeland security, factory automation, mining, oil processing, wireless cafe "hotspots", energy management and control, police, fire and emergency services networks, radio frequency identification (RFID) applications and industrial science and medical (ISM) networks.

Wireless antennas are used in/on buildings, oil rigs, wind turbines, terrestrial vehicles, boats, aircraft and other mobile and stationary platforms.

There are two main types of WiFi antennas, Omni Directional and Directional

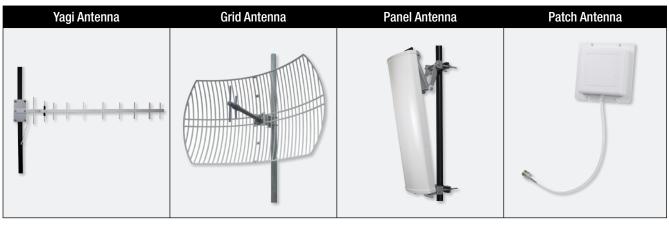
Omni Directional Antennas provide a 360° donut shaped radiation pattern to provide the widest possible signal coverage in indoor and outdoor wireless applications. An analogy for the radiation pattern would be how an un-shaded incandescent light bulb illuminates a room. Types of Omni Directional Antennas include "Rubber Duck" Antennas often found on access points and routers, Omni Antennas found outdoors and Ceiling Antennas used inside buildings and structures.

Omni Directional Antennas



Directional antennas, as the name implies, focus the wireless signal in a specific direction resulting in a limited coverage area. An analogy for the radiation pattern would be how a vehicle head light illuminates the road. Types of Directional Antennas include Yagi, Parabolic Grid, Patch and Panel Antennas.

Directional Antennas



A Critical Component for Every Wireless Application...

The selection of the correct antenna is paramount to achieving overall wireless system performance. L-com's HyperGain® antennas offer a wide range of frequencies, antenna styles, gain specifications and beamwidth coverage for your wireless system applications and needs. When performance is essential, select the best HyperGain® antenna to fit the application.

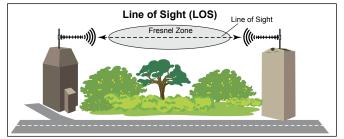
			Antenna Styles/	Characteris	tics		
Style	*Features	Style	*Features	Style	*Features	Style	*Features
GRID	Die cast construction UV stable light gray powder coat finish Easy to assemble Rugged all weather operation	RUBBER DUCK	360° coverage Tilt & swivel design Ideal for access points	YAGI	All weather operation Can be installed for either vertical or horizontal polarization	MIMO	Multi-band Broad-band MIMO configurations Dual polarity Spatial diversity
DISH	UV stable polymer finish All weather operation Optional radomes	ARRAYS	360° coverage Stainless steel construction All weather operation	PANEL	All weather operation Sector / directional coverage Mechanical down-tilt	CEILING	360° coverage Indoor use Compact size, easy to mount MIMO configurations
OMNI	360° coverage Indoor & outdoor use Mobile applications Compact models available	LOG PERIODIC	Ideal for use with multiband access points and routers 2.3 GHz to 6.5 GHz Compact size - low profile	MARINE	360° coverage Nautical environments All weather operation	MOBILE MOUNT	• 360° coverage • All weather operation

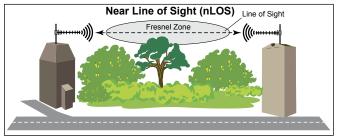
^{*} Product features may vary. See individual antennas for differences.

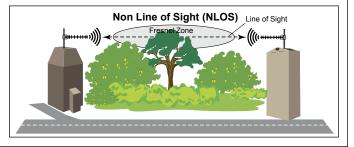
LINE OF SITE IS CRITICAL TO THE SUCCESS OF YOUR WIRELESS NETWORK

The path between two antennas is referred to as the Line of Sight. There are three main categories of Line of Sight, the first being full Line of Sight (LOS) where no obstacles reside between the two antennas, the next is called Near Line of Sight (nLOS) which includes partial obstructions such as tree tops between the two antennas and lastly Non Line of Sight (NLOS) where full obstructions exist between the two antennas. By determining the specific line of sight conditions in the WiFi network area you can then determine the correct type of wireless system to install.

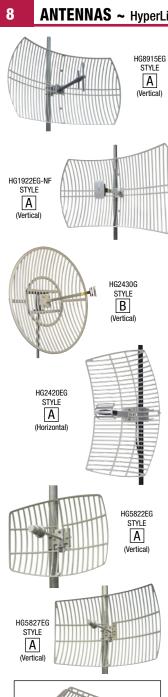
The Fresnel Zone referenced in the diagrams (right) is an electromagnetic phenomenon, where light waves or radio signals get diffracted or bent from solid objects near their path. The radio waves reflecting off the objects may arrive out of phase with the signals that traveled directly to the receiving antenna thus reducing the power of the received signal.















Vertical/Horizontal refers to polarity.

Item #	Style	Descriptio

HyperLink® Grid Antennas L-com's HyperLink® grid antennas feature a multi-piece reflector grid. With this type of design they are not only easy to assemble, but they significantly reduce shipping costs compared to similar antennas with one piece reflector grids. These durable all weather antennas have an open frame grid design. This minimizes wind loading on the antenna.

900 MHz Grid Antenna

900 MHZ Grid A	ntenn	a				
HG8915EG	Α	15 dBi, N Female Connector	97.00	89.24	81.48	CALL
1.9 GHz Grid An	tenna					
HG1922EG-NF	Α	22 dBi, N Female Connector	85.00	78.20	71.40	CALL
2.4 GHz Grid An	tenna	S				
HG2427G	Α	27 dBi, N Female Connector	215.00	202.10	189.20	CALL
HG2430G HG2430G-NM	B B	30 dBi, 18" (45.7cm) Pigtail with N Female Connector 30 dBi, 18" (45.7cm) Pigtail with N Male Connector	528.00 538.00	496.32 505.72	464.64 473.44	CALL CALL
HG2415EG-NF HG2415EG-NF-5PK	A A	15 dBi, 12" (30.5cm) Pigtail with N Female Connector 15 dBi, 12" (30.5cm) Pigtail with N Female Connector, 5-Pack	43.00 190.00	39.56 174.80	36.12 159.60	CALL CALL
HG2415EG-NM HG2415EG-NM-5PK	A A	15 dBi, 12" (30.5cm) Pigtail with N Male Connector 15 dBi, 12" (30.5cm) Pigtail with N Male Connector, 5-Pack	43.00 190.00	39.56 174.80	36.12 159.60	CALL CALL
HG2420EG-NF HG2420EG-NF-5PK	A A	20 dBi, 12" (30.5cm) Pigtail with N Female Connector 20 dBi, 12" (30.5cm) Pigtail with N Female Connector, 5-Pack	49.00 215.00	45.08 197.80	41.16 180.60	CALL CALL
HG2420EG-NM HG2420EG-NM-5PK	A A	20 dBi, 12" (30.5cm) Pigtail with N Male Connector 20 dBi, 12" (30.5cm) Pigtail with N Male Connector, 5-Pack	49.00 215.00	45.08 197.80	41.16 180.60	CALL CALL
HG2424EG-NF HG2424EG-NF-5PK	A A	24 dBi, 12" (30.5cm) Pigtail with N Female Connector, Lightweight Grid 24 dBi, 12" (30.5cm) Pigtail with N Female Connector, Lightweight Grid, 5-Pack	54.00 243.00	49.68 223.56	45.36 204.12	CALL CALL
HG2424EG-NM HG2424EG-NM-5PK	A A	24 dBi, 12" (30.5cm) Pigtail with N Male Connector, Lightweight Grid 24 dBi, 12" (30.5cm) Pigtail with N Male Connector, Lightweight Grid, 5-Pack	54.00 243.00	49.68 223.56	45.36 204.12	CALL CALL
3.5 GHz Grid An	tenna					
HG3527EG	Α	27 dBi, N Female Connector	110.00	105.60	101.20	CALL
4.9 - 5.8 GHz Gr	id Ant	ennas				
HG4958-22EG HG4958-22EG-5PK	A A	22 dBi, N Female Connector 22 dBi, N Female Connector, 5-Pack	56.00 253.00	51.52 232.76	47.04 212.52	CALL CALL
HG4958-27EG HG4958-27EG-5PK	A A	27 dBi, N Female Connector 27 dBi, N Female Connector, 5-Pack	61.00 280.00	56.12 257.60	51.24 235.20	CALL CALL
5.8 GHz Grid An	tenna	s				
HG5822EG HG5822EG-5PK	A A	22 dBi, N Female Connector 22 dBi, N Female Connector, 5-Pack	54.00 245.00	49.68 225.40	45.36 205.80	CALL CALL
HG5827EG HG5827EG-5PK	A A	27 dBi, N Female Connector 27 dBi, N Female Connector, 5-Pack	60.00 270.00	55.20 248.40	50.40 226.80	CALL CALL
Additional connecto	r optior	s available at L-com.com				

L-com Grid Antenna Replacement Hardware

L-com offers replacement parts for your parabolic grids. These spare part kits consist of the grid, pole mounting bracket and hardware.

HGGH-04	400mm Grid Replacement Hardware	28.00	27.44	26.88	CALL
HGGH-04-5PK	400mm Grid Replacement Hardware, 5-Pack	90.00	88.20	86.40	CALL
HGGH-06 HGGH-06-5PK	600mm Grid Replacement Hardware 600mm Grid Replacement Hardware, 5-Pack	33.00 110.00	32.34 107.80	31.68 105.60	CALL
HGGH-10	1000mm Grid Replacement Hardware	47.00	46.06	45.12	CALL
HGGH-10-5PK	1000mm Grid Replacement Hardware, 5-Pack	170.00	166.60	163.20	CALL

Grid Replacement Feedhorns

L-com offers replacement feedhorns for your parabolic grids. These kits consist of only the feedhorn. Includes hardware to mount feedhorn to dish. Mast mounting hardware not included.

900 MHz Grid Replacement Feedhorn HGFH-915EG 15 dBi Parabolic Grid Replacement Feedhorn

2.4 GHz Grid Replacement Feedhorns								
HGFH-215EG-NF	15 dBi Parabolic Grid Replacement Feedhorn	25.00	24.75	24.50	CALL			
HGFH-220EG-NF	20 dBi Parabolic Grid Replacement Feedhorn	28.00	27.72	27.44	CALL			
HGFH-224EG-NF	24 dBi Parabolic Grid Replacement Feedhorn	30.00	29.70	29.40	CALL			
Hui II-224Lu-Ni	24 ubi rarabolic unu nepiacement i ecunom	30.00	25.70	25.40				

4.9/5.8 GHz Grid Replacement Feedhorns

HGFH-522EG	22 dBi Parabolic Grid Replacement Feedhorn	30.00	29.70	29.40	CALL
HGFH-527EG	27 dBi Parabolic Grid Replacement Feedhorn	35.00	34.65	34.30	CALL

Tip | How to assemble and install a Grid Antenna

Two-piece grid antenna reflectors allow easy handling, shipping, and transportation to the site. Large grid antennas come in two symmetrical sections. They are bolted together on site easily, with feed then installed. See the online video for complete instructions at L-com.com/Videos/A25



54.45

53.90

CALL

10-24

Style Description 1-9 10-24 Item #

Parabolic Dish Antennas - Superior Strength Design Ensures Durability

14 dBi, 260mm Dia, N Female Connector

HyperLink® WiFi parabolic dish antennas feature a high quality aluminum reflector dish for superior strength. The dish is coated in a light gray UV-inhibited polymer for durability and aesthetics. These directional dish antennas can be used in point to point as well as point to multipoint applications.

Built to withstand the elements, HyperLink® dish antennas offer high performance at competitive prices. When designing these WiFi parabolic dish antennas, our design team factored in requirements such as location usage and environmental extremes. From versatile mounting options to features such as perforated reflectors, these antennas were built to withstand the test of time while maintaining optimal performance.

2.4 GHz Dish Antenna

D

HG2414D

2.4 GHz Dual Polarized Dish Antennas							
HG2418DPD	В	18 dBi, 400mm Dia, Dual Polarity, with (2) N Female Connectors, MIMO	140.00	128.80	117.60	CALL	
HG2422DPD	В	22 dBi, 600mm Dia, Dual Polarity, with (2) N Female Connectors, MIMO	167.00	153.64	140.28	CALL	
HG2425DPD	В	25 dBi, 900mm Dia, Dual Polarity, with (2) N Female Connectors, MIMO	302.00	277.84	253.68	CALL	

43.00

39.56

36.12

CALL

4.9 GHz Dish Antenna

HG4931D 30.5 dBi, 900mm Dia, N Female Connector 300.00 276.00 252.00 CALL

4.9-5.8 GHz Dual Polarized Dish Antennas

Because of its superb electrical performance and mechanical stability, the parabolic dish antenna can be used in a wide variety of high performance 4.9 GHz and 5 GHz range (5.1/5.3/5.4/5.8 GHz) wireless applications. The wide band design of this antenna eliminates the need to purchase different antennas for each frequency. This simplifies installations since the same antenna can be used for a wide array of wireless applications. This antenna features 25-34 dBi of gain with a 4.8° horizontal beam-width and 4.9° vertical beam-width.

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HG4958DP-25D HG4958DP-30D	B B	25 dBi, 400mm Dia, Dual Polarity, with (2) N Female Connectors, MIMO 30 dBi, 600mm Dia, Dual Polarity, with (2) N Female Connectors, MIMO	151.00 178.00	138.92 163.76	126.84 149.52	CALL
HG4958DP-34D	В	34 dBi, 900mm Dia, Dual Polarity, with (2) N Female Connectors, MIMO	312.00	287.04	262.08	CALL
E4 E0 OH- D.	. D. I	eviced Diele Antonne				
5. I - 5.8 GHZ DU2	li Poi	arized Dish Antennas				
HG5158DP-29D	В	28.5 dBi, 600mm Dia, Dual Polarized, (2) N Female Connectors, MIMO	180.00	169.20	158.40	CALL
HG5158DP-32D	В	32 dBi, 900mm Dia, Dual Polarized, (2) N Female Connectors, MIMO	315.00	296.10	277.20	CALL
= 4 = 0 OU B						
5.1 - 5.8 GHz Dis	n Ant	ennas				
HG5158-23D	В	23 dBi, 400mm Dia, N Female Connector	167.00	153.64	140.28	CALL
HG5158-28D	В	28 dBi, 600mm Dia, N Female Connector	205.00	188.60	172.20	CALL
HG5158-31D	В	31 dBi, 900mm Dia, N Female Connector	300.00	276.00	252.00	CALL
5.4 GHz Dish Ant	enna	S .				
HG5423D	В	23 dBi, 400mm Dia, N Female Connector	157.28	150.99	144.70	CALL
HG5432D	В	32 dBi, 900mm Dia, N Female Connector	290.00	278.40	266.80	CALL
5.8 GHz Dish Ant	enna	S .				
HG5817D	Α	17 dBi, 246mm Dia, N Female Connector	50.00	46.00	42.00	CALL
HG5833D	В	33 dBi, 900mm Dia, N Female Connector	302.00	277.84	253.68	CALL
HG5824D	В	24 dBi, 400mm Dia, N Female Connector	167.00	153.64	140.28	CALL
HG5829D	В	29 dBi, 600mm Dia, N Female Connector	205.00	188.60	172.20	CALL

Radome Cover Kits

HyperLink® radome covers are an ideal way to provide additional protection to our parabolic dish antennas. These lightweight radome kits feature fiberglass construction and UV stable gray finish. Drain holes are provided on the radome cover to help prevent moisture build-up inside the dish antenna.

HGR-04	Radome Cover Kit for 400mm Dia Dish	55.00	53.90	52.80	CALL
HGR-06	Radome Cover Kit for 600mm Dia Dish	69.00	67.62	66.24	CALL
HGR-09	Radome Cover Kit for 900mm Dia Dish	80.00	78.40	76.80	CALL

Dish Antenna Replacement Hardware

L-com offers replacement parts for your parabolic dishes. These spare part kits consist of the dish, pole mounting bracket and all of the hardware. HGDH-400 Replacement Hardware for 400mm Dia Dish 100.00 99.00 98.00 CALL Replacement Hardware for 600mm Dia Dish HGDH-600 123.75 122.50 CALL 125.00 HGDH-900 Replacement Hardware for 900mm Dia Dish 245.00 242.55 240.10 CALL

Dish Antenna Replacement Feedhorns

L-com offers replacement feedhorns for your parabolic dishes. These kits consists of only the feedhorn. Mast mounting hardware not included.

2.4 GHz Dish Replacement Feedhorns HGFH-218DPD

HGFH-218DPD	18 dBi Dual Polarity Dish Replacement Feedhorn	65.00	64.35	63.70	CALL
HGFH-222DPD	22 dBi Dual Polarity Dish Replacement Feedhorn	70.00	69.30	68.60	CALL
HGFH-225DPD	25 dBi Dual Polarity Dish Replacement Feedhorn	105.00	103.95	102.90	CALL
4.9/5.8 GHz Du	al Polarity Replacement Dish Feedhorns				
HGFH-525DPD	25 dBi Dual Polarity Dish Replacement Feedhorn	80.00	79.20	78.40	CALL
HGFH-530DPD	30 dBi Dual Polarity Dish Replacement Feedhorn	90.00	89.10	88.20	CALL
HGFH-534DPD	34 dBi Dual Polarity Dish Replacement Feedhorn	130.00	128.70	127.40	CALL
5.8 GHz Dish Re	eplacement Feedhorns				
HGFH-524D	24 dBi Parabolic Dish Replacement Feedhorn	70.00	69.30	68.60	CALL
HGFH-529D	29 dBi Parabolic Dish Replacement Feedhorn	80.00	79.20	78.40	CALL
HGFH-533D	33 dBi Parabolic Dish Replacement Feedhorn	100.00	99.00	98.00	CALL



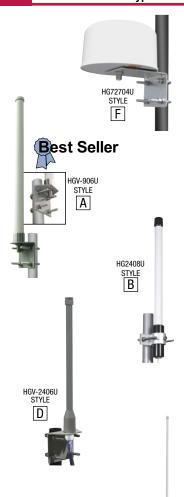


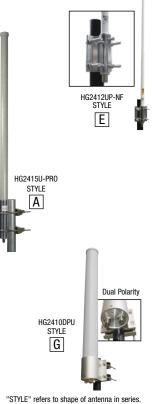




"STYLE" refers to shape of antenna in series.







Item # Style Description 1-9 10-24 25-99 100+

698-960/1710-2700 MHz Omni Directional DAS Antennas

L-com's HyperLink® Omni Directional antennas for Distributed Antenna Systems (DAS) are used to distribute Cellular and WiFi signals throughout a building or area

HG72704U	F	3/4 dBi with N Female Connector	49.00	45.08	41.16	CALL	
HG72107U-PR0	Α	4/7 dBi with N Female Connector	157.00	144.44	131.88	CALL	

800 - 900 MHz Omni Directional Antennas

The HyperLink® Wireless brand of 900 MHz HGV-series Omni Directional antennas are versatile and economical yet maintain high performance standards. These antennas feature a lightweight, compact, all weather operation design and include a pole mounting bracket.

HGV-903U	Α	3 dBi, N Female Connector	60.00	56.40	52.80	CALL
HGV-906U	Α	6 dBi, N Female Connector	67.00	62.98	58.96	CALL
HG906U-PR0	Α	6 dBi, N Female Connector	103.00	94.76	86.52	CALL
HG908U-PRO	Α	8 dBi. N Female Connector	150.00	138.00	126.00	CALL

1.9 GHz Omni Directional Antenna

The HyperGain® HG1911U-PRO is a high performance Omni Directional antenna designed for the 1900 MHz band. It is ideally suited for multipoint Personal Communication Services (PCS) and 1.9 GHz cellular band applications where high gain and wide coverage is desired.

HG1911U-PR0	Α	11 dBi, N Female Connector (available in 5-Pack)	90.00	82.80	75.60	CALL
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2.4 GHz Omni Directional Antennas

L-com's HyperLink® brand 2.4 GHz Omni directional antennas are perfect for wide 360° coverage multi point applications. These robust Omni directional antennas are designed for years of outdoor use.

HG2408U-NF HG2408U-NM HG2408U-RBP HG2408U-RSP HG2408U-RTP	B B B B	8 dBi, 12" (30.5cm) Pigtail with N Female Connector 8 dBi, 12" (30.5cm) Pigtail with N Male Connector 8 dBi, 12" (30.5cm) Pigtail with RP-BNC Plug Connector 8 dBi, 12" (30.5cm) Pigtail with RP-SNA Plug Connector 8 dBi, 12" (30.5cm) Pigtail with RP-TNC Plug Connector	81.00 81.00 81.00 81.00 81.00	74.52 74.52 74.52 74.52 74.52	68.04 68.04 68.04 68.04 68.04	CALL CALL CALL CALL CALL
HGV-2402U HGV-2404U HGV-2406U HGV-2409U	D D D	2 dBi, N Female Connector 4 dBi, N Female Connector 6 dBi, N Female Connector 8 dBi, N Female Connector	39.00 45.00 53.00 61.00	36.66 42.30 49.82 57.34	34.32 39.60 46.64 53.68	CALL CALL CALL CALL
HG2405UP-NF HG2407UP-NF HG2409UP-NF	E E E	5 dBi, N Female Connector 7 dBi, N Female Connector 9 dBi, N Female Connector	41.00 49.00 56.00	38.54 46.06 52.64	36.08 43.12 49.28	CALL CALL CALL
HG2409U HG2409UM-RSP HG2409U-PR0 HG2409UDT-PR0	A* B* A* A	8.5 dBi, N Male Connector 8.5 dBi, Marine, 3ft (0.9m) Pigtail with RP-SMA Plug Connector 9 dBi, N Fernale Connector (available in 5-Pack) 9 dBi, 7 Degree Electrical Down-Tilt, N Fernale Connector (available in 5-Pack)	60.00 135.00 79.00 84.00	56.40 126.90 75.84 80.64	52.80 118.80 72.68 77.28	CALL CALL CALL CALL
HG2411UDT-PR0	Α	11 dBi, 8 Degree Electrical Down-Tilt, N Female Connector (available in 5-Pack)	97.00	93.12	89.24	CALL
HG2412U-PR0	Α	12 dBi, 12" (30.5cm) Pigtail w/ N Female Connector ANATEL Certified (available in 5-Pack)	120.00	115.20	110.40	CALL
HG2412UP-NF	Е	12 dBi, N Female Connector	63.00	59.22	55.44	CALL
HG2415U-PR0	Α	15 dBi, N Female Connector (available in 5-Pack)	133.00	125.02	117.04	CALL

^{*} Similar to this style-see online Data Sheet for details.

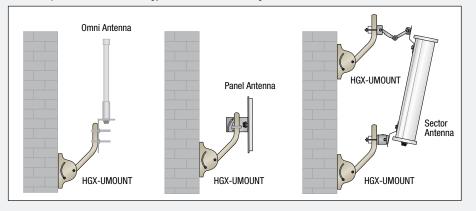
2.4 GHz Dual Polarized Omni Directional Antennas

The HyperLink® Wireless brand of DPU-Series Omni Directional antennas are versatile and offer high performance standards. These antennas feature a dual polarized MIMO design, all weather operation and include integral pole mounting hardware.

HG2406DPU	G	6 dBi, Dual Polarity with (2) N Female Connectors, MIMO	135.00	124.20	113.40	CALL
HG2410DPU	G	10 dBi, Dual Polarity with (2) N Female Connectors, MIMO	200.00	184.00	168.00	CALL
HG2413DPU	G	13 dBi, Dual Polarity with (2) N Female Connectors, MIMO	270.00	248.40	226.80	CALL

Tip Alternative mounting options for L-com's Sector, Panel and Omni WiFi Antennas

If it is not possible to install a WiFi antenna on a mast or pole, you can use the HGX-UMOUNT mounting bracket for side of building installations. In the diagram below two of L-com's HGX-UMOUNT brackets are connected to a HyperLink® brand HG2414SP-090 sector antenna. This mounting option will work with sector style antennas that have two (one upper and one lower) mounting point and with standard flat panel and Omni antennas using just one HGX-UMOUNT (see diagrams below).



Item # Style Description 1-9 10-24 25-99 100-

2.4-5.8 GHz Dual Band Omni Directional Antennas

The HyperLink® Wireless brand of HGV-series Omni Directional antennas are versatile and economical yet maintain high performance standards. These antennas feature a lightweight, compact, all weather operation design and include a pole mounting bracket.

HG2458-06U-PR0 HG2458-09U-PR0	A A	6 dBi, Dual Band Omni Antenna, N Female Connector (available in 5-Pack) 9 dBi, Dual Band Omni Antenna, N Female Connector (available in 5-Pack)	110.00 120.00	103.40 112.80	96.80 105.60	CALL CALL
HGV-2458-03U	D	3 dBi, Dual Band, N Female Connector	41.00	38.54	36.08	CALL
HGV-2458-05U	D	5 dBi, Dual Band, N Female Connector	48.00	45.12	42.24	CALL
HGV-2458-07U	D	7 dBi, Dual Band, N Female Connector	56.00	52.64	49.28	CALL
HG245806U-4RTP	F	4/6 dBi, Dual Band, (4) RP-TNC Plug Connectors, MIMO	140.00	128.80	117.60	CALL
HG245806U-4RSP	F	4/6 dBi, Dual Band, (4) RP-SMA Plug Connectors, MIMO	140.00	128.80	117.60	CALL

2.4-5.8 GHz Dual Band/Dual Polarized 4x4 MIMO Omni Directional Antennas

HyperLink® Wireless 2.4/5 GHz DPU Series are the world's first 802.11ac 4x4 MIMO outdoor Omni Directional, dual polarized/dual frequency antenna line, which features patent-pending technology. These antennas supported MIMO types include 2x2 systems (two streams), 3x3 systems (three streams) and 4x4 systems (4 streams).

HG2458-06DPU	M	6 dBi, Dual Band, Dual Polarized with (4) N Female Connectors	210.00	193.20	176.40	CALL
HG2458-09DPU	M	9 dBi, Dual Band, Dual Polarized with (4) N Female Connectors	260.00	239.20	218.40	CALL
HG2458-11DPU	M	11 dBi, Dual Band, Dual Polarized with (4) N Female Connectors	310.00	285.20	260.40	CALL

2.6 GHz Omni Directional Antenna

The HyperGain® HG2609U is a high performance Omni Directional WiFi antenna designed for the 2.6 GHz MMDS band. This compact and lightweight antenna is compatible with IEEE 802.16, 802.20 and WiMAX applications as well as NLOS applications. The HG2609U is ideal for Wireless Internet Service Providers (WISP) offering service in the less crowded 2.6 GHz band and is compatible with Navini™ Ripwave®.

HG2609U	*	8.5 dBi, N Male Connector	72.00	66.24	60.48	CALL
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^{*} See online Data Sheet for style details.

3.5 GHz Omni Directional Antennas

These HyperGain Antennas are professional high gain omni-directional base station WiFi antenna designed and optimized for the 3.5 GHz band. Typical applications include IEEE 802.16e, WiMAX and Mobile WiMAX applications.

HG3509U-PR0	В	9 dBi, N Female Connector	97.00	89.24	81.48	CALL
HG3512UP-NF	В	11.5 dBi, N Female Connector	97.00	91.18	85.36	CALL

4.9 - 5.8 GHz Omni Directional Antennas

Hyperlink's product line of high quality antennas for the 4940-4990 MHz band (4.9 GHz) offer cost effective solutions designed to meet the applications of Homeland Security and the Public Safety Program in the U.S.

HGV-4958-04U	D	4 dBi, N Female Connector	31.00	29.14	27.28	CALL
HGV-4958-06U	D	6 dBi, N Female Connector	42.00	39.48	36.96	CALL
HGV-4958-09U	D	9 dBi, N Female Connector	65.00	61.10	57.20	CALL
HGV-4958-12U	D	12 dBi, N Female Connector	84.00	78.96	73.92	CALL

5.1 - 5.8 GHz Omni Directional Antennas

The HyperLink® Wireless brand of UP-series Omni Directional antennas are versatile and economical yet maintain high performance standards. Designed for operation from 5.1 GHz to 5.8 GHz, these antennas feature an aluminum base and fiberglass all weather operation design and include a pole mounting bracket.

HG5158-06UP-NF	Е	6 dBi, N Female Connector	54.00	49.68	45.36	CALL	
HG5158-09UP-NF	E	8.5 dBi, N Female Connector	60.00	55.20	50.40	CALL	

5.1 - 5.8 GHz Dual Polarized Omni Directional Antennas

The HyperLink® Wireless DP series 5 GHz Omni Directional antennas combine vertical and horizontal polarization in a single enclosure. It is a professional quality antenna designed primarily for MIMO point-to-multipoint applications.

HG5158DP-10U	G	10 dBi, Dual Polarity with (2) N Female Connectors	150.00	141.00	132.00	CALL
HG5158DP-13U	G	13 dBi, Dual Polarity with (2) N Female Connectors	200.00	188.00	176.00	CALL

5.3-5.8 GHz Omni Directional Antennas

The HyperLink® Wireless brand of U-series 5 GHz Omni Directional antennas are versatile and economical yet maintain high performance standards. These antennas feature an aluminum base and fiberglass all weather operation design and include a pole mounting bracket.

HG5310U	С	5.3 GHz, 10 dBi, N Female Connector	86.00	80.84	75.68	CALL
HG5412U HG5806U-PR0	A	5.4 GHz, 12 dBi, N Female Connector 5.8 GHz, 6 dBi, N Female Connector (available in 5-Pack)	97.00 79.00	93.12 75.84	89.24 72.68	CALL
HG5809U-PR0	A	5.8 GHz, 9 dBi, N Female Connector (available in 5-Pack)	91.00	87.36	83.72	CALL
HG5808U	С	5.8 GHz, 8 dBi, N Female Connector	85.00	81.60	78.20	CALL
HG5812U-PR0	Α	5.8 GHz, 12 dBi, N Female Connector (available in 5-Pack)	102.00	97.92	93.84	CALL

5.8 GHz Omni Directional Down-Tilt Antenna

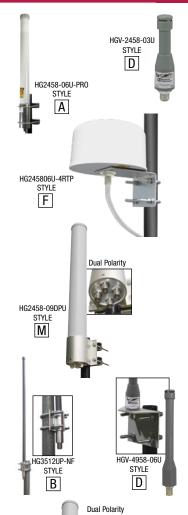
The HyperLink® HG5811UDT-PRO is a Profession Grade Omni Directional Down-Tilt antenna that can be used for Commercial installations. The antenna features high gain and superior VSWR. The unit is optimized for the 5.8 GHz band applications. The pattern is electrically tilted downward to improve coverage from higher mounting elevations in difficult sites such as apartment complexes and similar installations.

HG5811UDT-PRO	Α	11 dBi. 8 Degree Electrical Down-Tilt with N Female Connector	95.00	91.20	87.40	CALL

5.8 GHz Omni Directional Wireless LAN Antenna

The HyperLink® HG5810U is a very compact yet high performance Omni Directional WiFi antenna designed for the 5.8 GHz ISM and UNII band. It is ideally suited for multipoint and mobile applications where high gain and wide coverage is desired.

HG5810U	Е	10 dBi, Wireless LAN, N Female Connector	96.93	93.06	89.18	CALL
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"STYLE" refers to shape of antenna in series.





"STYLE"	refers	to:	shape	of	an	tenna	in	serie	S.

Item # Style Description	1-9	10-24	25-99	100+	
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HyperLink® Embedded/Internal PCB Antennas

HyperLink® embedded/internal antennas are designed to directly integrate into devices requiring wireless capability. By embedding these antennas directly into a device, the need for external antennas is eliminated. In addition to our standard embedded antenna offerings, L-com engineering can also custom design embedded antenna solutions to meet specific customer applications.

HG902PU-UFL	900 MHz Embedded Omni Directional Antenna, U.FL Connector	11.00	10.12	9.24	CALL
HG2402PU-UFL	2.4 GHz Embedded Omni Directional Antenna, U.FL Connector	11.00	10.12	9.24	CALL
HG2458-05PU-UFL	2.4/5.8 GHz Dual Band Embedded Omni Directional Antenna, U.FL Connector	13.00	11.96	10.92	CALL
HG4958-05PU-UFL	4.9-5.8 GHz Embedded Omni Directional Antenna, U.FL Connector	13.00	11.96	10.92	CALL
HG72705FPU-UFL	700-2700 MHz, Flexible Embedded Omni Directional Antenna, U.FL Connector	13.00	11.96	10.92	CALL

HyperLink® Patch and Panel Antennas - Compact and Lightweight

These high performance directional patch and panel antennas are available for indoor and outdoor applications covering multiple popular frequencies. Our patch antennas are lightweight and feature aesthetic UV-stable, UL flame rated plastic radomes which can also be painted to match the room or building structure. Designed to be installed for horizontal or vertical polarization, they can be wall or ceiling mounted, as well as mast mounted using U-bolts.

Designed specifically as cost-effective solutions for today's demanding wireless applications, HyperLink® patch and panel antenna products offer a unique combination of superior all-weather performance, durability and aesthetics. Applications include IEEE 802.11b/g/n, 900 MHz cellular, RFID, 802.16, 802.20 and WiMAX.

Mounting:

L-com's patch antennas offer several unique mounting options. They can be mounted flat against a wall, or to a mast using a pair of 2 inch U-bolts. The antennas also accept most tilt-and-swivel security camera brackets equipped with standard 1/4-20 threads.



Flush Mount:

The HG2408P-NF can be mounted flat against the wall or ceiling. Its unique design allows the cable to exit out of the side or from the back of the unit which is ideal for mounting in locations that require the cable to be hidden.

HyperLink® Patch and Panel Antennas

These are low cost high gain antennas that come with their own enclosure space within the antenna radome. Mount your wireless card radio behind the antenna and seal the radome. All come with quick connect Cat5/6 connections. Antenna pigtail cable options are RP-SMA Plug, RP-TNC Plug, MMCX and UFL (with others available).

700-2700 MHz DAS Panel Antenna

HG72708XWPPR-NF	E	700-2700 MHz, 7.5/8.4 dBi, Cross Polarized, PIM Rated, MIMO, (2) N Female Con.	180.00	165.60	151.20	CALL
900 MHz Patch	/Pan	el Antennas				
HG8909P HG908P-NF HG908P-SM	D A A	9 dBi, Heavy Duty Flat Panel with N Female Connector 8 dBi, Flat Patch, 8" (20.3cm) Sq., 12" (30.5cm) Pigtail with N Female Connector 8 dBi, Flat Patch, 8" (20.3cm) Sq., 12" (30.5cm) Pigtail with SMA Male Connector	62.00 59.00 59.00	58.28 54.28 54.28	54.56 49.56 49.56	CALL CALL CALL
900 MHz Circula	ar Po	larized Patch Antennas				
HG908PCL-NF HG908PCL-NM HG908PCL-RTP HG908PCL-RSP HG908PCL-SM	A A A A	8 dBi, Left Hand, Circular Polarized, 12" (30.5cm) Pigtail with N Female Connector 8 dBi, Left Hand, Circular Polarized, 12" (30.5cm) Pigtail with N Male Connector 8 dBi, Left Hand, Circular Polarized, 12" (30.5cm) Pigtail with RP-TNC Plug Connector 8 dBi, Left Hand, Circular Polarized, 12" (30.5cm) Pigtail with RP-SMA Plug Connector 8 dBi, Left Hand, Circular Polarized, 12" (30.5cm) Pigtail with SMA Male Plug Connector	54.00 54.00 54.00 54.00 54.00	51.84 51.84 51.84 51.84 51.84	49.68 49.68 49.68 49.68 49.68	CALL CALL CALL CALL CALL
HG908PCR-NF HG908PCR-NM HG908PCR-RTP HG908PCR-RSP HG908PCR-SM	A A A A	8 dBi, Right Hand, Circular Polarized, 12" (30.5cm) Pigtail with N Female Connector 8 dBi, Right Hand, Circular Polarized, 12" (30.5cm) Pigtail with N Male Connector 8 dBi, Right Hand, Circular Polarized, 12" (30.5cm) Pigtail with RP-TNC Plug Connector 8 dBi, Right Hand, Circular Polarized, 12" (30.5cm) Pigtail with RP-SMA Plug Connector 8 dBi, Right Hand, Circular Polarized, 12" (30.5cm) Pigtail with SMA Male Plug Connector	54.00 54.00 54.00 54.00 54.00	51.84 51.84 51.84 51.84 51.84	49.68 49.68 49.68 49.68 49.68	CALL CALL CALL CALL CALL
1.9 GHz Patch A	nten	nas				
HG1908P-NF HG1912P-NF	A A	8 dBi, 4" (10.2cm) Sq., 12" (30.5cm) Pigtail with N Female Connector 12 dBi, 8" (20.3cm) Sq., 12" (30.5cm) Pigtail with N Female Connector	49.00 60.00	45.08 55.20	41.16 50.40	CALL CALL
2.4 GHz Patch/l	Panel	Antennas				
HG2408P-NF	С	8 dBi, 4" (10.2cm) Round, 10" (25.4cm) Pigtail with N Female Connector	35.00	32.20	29.40	CALL
HG2409PCL-NF HG2409PCR-NF HG2409P-NF HG2409XP	A A A	8 dBi, 4" (10.2cm) Sq., LH Cir Polarized, 12" (30.5cm) Pigtatil with N Female Connector 8 dBi, 4" (10.2cm) Sq., RH Cir Polarized, 12" (30.5cm) Pigtatil with N Female Connector 8 dBi, 4" (10.2cm) Sq., 12" (30.5cm) Pigtatil with N Female Connector 9 dBi, 8" (20.3cm) Sq., Cross Polarized, (2) N Female Connectors, MIMO	36.00 36.00 35.00 49.00	33.12 33.12 32.20 45.08	30.24 30.24 29.40 41.16	CALL CALL CALL
HG2410DP	В	10 dBi, 4" (10.2cm) Sq., (2) N Female Connectors, MIMO	36.00	33.12	30.24	CALL
HG2412P	В	12 dBi, 4" (10.2cm) Sq., N Female Connector	33.00	30.36	27.72	CALL
HG2414DP-3NF HG2414P HG2414P-NF	D A A	14 dBi, 12" (30.5cm) Sq., Dual Polarized, (3) N Female Connectors, MIMO 14 dBi, 8" (20.3cm) Sq., N Female Connector 14 dBi, 8" (20.3cm) Sq., 12" (30.5cm) Pigtail with N Female Connector	120.00 43.00 54.00	110.40 39.56 49.68	100.80 36.12 45.36	CALL CALL CALL
HG2416DP HG2416P	D A	16 dBi, 12" (30.5cm) Sq., Dual Polarized, (2) N Female Connectors, MIMO 15.5 dBi, 8" (20.3cm) Sq., N Female Connector	120.00 58.00	110.40 53.36	100.80 48.72	CALL CALL
HG2418P	D	18 dBi, Flat Panel with N Female Connector	67.00	64.32	61.64	CALL

Call for special connectors and cable lengths

Item # Style Description 1-9

2.4 GHz Wide Angle Patch Antennas

These compact 2.4 GHz WiFi antennas provide 5 dBi Gain with broad horizontal beam width of 135 degrees. They are ideally suited for applications requiring coverage of a wide area such as an office, public hotspot, Industrial or warehouse use. These antennas are lightweight and feature an aesthetic UV-stable, white ABS UL Flame Rated radome and can also be painted to match the room or building structure. The HG2405P-135 can be installed for horizontal or vertical polarization.

HG2405P-135-NF HG2405P-135-NM HG2405P-135-RSP HG2405P-135-RTP	C* C* C* C*	5 dBi, Wide Angle, 12" (30.5cm) N Female Connector 5 dBi, Wide Angle, 4ft (1.2m) N Male Connector 5 dBi, Wide Angle, 4ft (1.2m) RP-SMA Plug Connector 5 dBi, Wide Angle, 4ft (1.2m) RP-TNC Plug Connector	40.00 40.00 40.00 40.00	36.80 36.80 36.80 36.80	33.60 33.60 33.60 33.60	CALL CALL CALL CALL
HG2405SD-135-NF HG2405SD-135-NM HG2405SD-135-RSP	C C	5 dBi, Wide Angle Spatial Diversity, 12" (30.5cm) Dual N Female Connectors 5 dBi, Wide Angle Spatial Diversity, 4ft (1.2m) Dual N Male Connectors	49.00 49.00 49.00 49.00	45.08 45.08 45.08	41.16 41.16 41.16	CALL CALL CALL
HG2405SD-135-R5P +Similar to this antenna,	Ċ	5 dBi, Wide Angle Spatial Diversity, 4ft (1.2m) Dual RP-SMA Plug Connectors 5 dBi, Wide Angle Spatial Diversity, 4ft (1.2m) Dual RP-TNC Plug Connectors one antenna lead.	49.00	45.08	41.16	CALL

2.4 - 5.8 GHz Wide Angle Patch Antennas

These compact 2.4 - 5.8 GHz WiFi antennas provide Dual Frequency diversity to improve connectivity and data throughput. They provide wide angle pattern to give the provider excellent area coverage from one antenna site.

HG2458-5P-135-NF	C	5 dBi, Wide Angle, 12" (30.5cm) N Female Connector	51.00	46.92	42.84	CALL	
HG2458-5P-135-NM	С	5 dBi, Wide Angle, 4ft (1.2m) N Male Connector	51.00	46.92	42.84	CALL	
HG2458-5P-135-RSP	С	5 dBi, Wide Angle, 4ft (1.2m) RP-SMA Plug Connector	51.00	46.92	42.84	CALL	
HG2458-5P-135-RTP	С	5 dBi, Wide Angle, 4ft (1.2m) RP-TNC Plug Connector	51.00	46.92	42.84	CALL	
2.4 - 5.8 GHz Pane	el Ant	ennas					
HG2458-08DP-4NF	Α	8 dBi, 8" (20.3cm) Sq., Dual Polarized, (4) N Female Connectors, MIMO	250.00	230.00	210.00	CALL	
HG245808DP-4RTP36	Α	8 dBi, 8" (20.3cm) Sq., Dual Polarized, 36" (91.4cm) Pigtails,	225.00	207.00	189.00	CALL	
		(4) RP-TNC Plug Connectors, MIMO					
HG2458-09P	Α	9 dBi, 8" (20.3cm) Sq., N Female Connector	84.00	77.28	70.56	CALL	
HG2458-10DP	В	10 dBi, 8" (20.3cm) Sq., Dual Polarized, (2) N Female Connectors, MIMO	42.00	38.64	35.28	CALL	
HG2458-11XP	Α	8/11 dBi, 8" (20.3cm) Sq., Dual Polarized, (2) N Female Connectors, MIMO	50.00	46.00	42.00	CALL	
HG2458-11P	Α	9/11 dBi, 8" (20.3cm) Sq., N Female Connector	65.00	59.80	54.60	CALL	
HG2458-20P	Α	20 dBi, 12" (30.5cm) Sq., N Female Connector	150.00	141.00	132.00	CALL	
HG2458-10DP-6NF	Α	10 dBi, 12" (30.5cm) Sq., Dual Polarized, (6) N Female Connectors, MIMO	162.00	149.04	136.08	CALL	
HG2458-14DP-3NF	Α	14 dBi, 12" (30.5cm) Sq., Dual Polarized, (3) N Female Connectors, MIMO	150.00	138.00	126.00	CALL	
HG2458-14DP-4NF	A	14 dBi, 12" (30.5cm) Sq., Dual Polarized, (4) N Female Connectors, MIMO	160.00	147.20	134.40	CALL	
			100.00	=0			

2.4-5.8 GHz High Density Panel Antenna

The HyperLink HG2458-13HDP-4NF High Density Flat Panel Antenna combines four dual band antennas in a single housing. The unit consists of two vertically and two horizontally polarized multi-patch antennas. It is a professional quality antenna designed primarily for MIMO point-tomultipoint and point-to-point applications in the 2.4 GHz and the 4.9-5.8 GHz frequency bands. The unit can be used with APs and Routers with one to four antenna ports.

HG2458-13HDP-4NF	Α	11/13 dBi, 12" (30.5cm) Sq., High Density/Dual Polarized,	230.00	211.60	193.20	CALL
		(4) N Female Connectors, MIMO				

2.6 GHz Patch Antenna

HG2614P-NF 14 dBi, 8" (20.3cm) Sq., 12" (30.5cm) Pigtail with N Female Connector 54.00 CALL Α 49.68 45.36

4.9 - 5.8 GHz Dual Polarized Panel Antennas

The HyperLink's Flat Panel Antennas combine vertical and horizontal polarization with high gain over multiple frequencies in a single enclosure. It is a professional quality antenna designed primarily for MIMO point-to-multipoint and point-to-point applications in the 4.9 GHz and 5.8 GHz frequency.

HG4958-17DP-3NF	Α	17 dBi, 4.9/5.8 GHz, Dual Polarized Panel with (3) N Female Connectors	150.00	138.00	126.00	CALL
HG4958-19DP	Α	19 dBi, 4.9/5.8 GHz, Dual Polarized Panel with (2) N Female Connectors	102.00	93.84	85.68	CALL

3.5 GHz, 4.9 GHz, 5.3 GHz, 5.4 GHz, 5.8 GHz and 4.9-5.8 GHz Patch/Panel Antennas

L-com's extensive line of patch antennas that cover frequencies from 3.5 to 5.8 GHz are ideal for applications such as WiMAX and public safety. Several of the patch antennas are broadband/multi-band antennas that eliminate the need to purchase different antennas for each frequency being used. This simplifies installations since the same antenna can be used for a wide array of wireless applications.

3.5 GHz Patch/Panel Antennas

HG3516DP	Α	16 dBi, Dual Polarized Panel Antenna with (2) N Female Connectors	152.00	139.84	127.68	CALL					
4.9 GHz Patch A	ntenna	ıs									
HG4953P HG4911P	A A	8 dBi, 4" (10.2cm) Sq., Broadband, SMA Male Connector 11 dBi, 4" (10.2cm) Sq., SMA Female Connector	60.00 60.00	55.20 55.20	50.40 50.40	CALL CALL					
5.3 GHz Patch Antenna											
HG5311P	Α	11 dBi, 4" (10.2cm) Sq., SMA Female Connector	60.00	56.40	52.80	CALL					
5.4 GHz Patch/Panel Antennas											
HG5411P HG5419P	A A	11 dBi, Flat Patch, 4" (10.2cm) Sq., SMA Female Connector 19 dBi, Broadband Panel, 7" (17.8cm) Sq., N Female Connector	60.00 60.00	56.40 57.60	52.80 55.20	CALL CALL					
5.8 GHz Patch A	ntenna	as .									
HG5811P HG5819P HG5158P	A A A	11 dBi, 4" (10.2cm) Sq., SMA Female Connector 19 dBi, 7" (17.8cm) Sq., N Female Connector 8 dBi, 4" (10.2cm) Sq., Broadband, SMA Female Connector	60.00 60.00 60.00	55.20 55.20 56.40	50.40 50.40 52.80	CALL CALL CALL					
4.9 - 5.8 GHz Bro	oadbar	d Patch Antennas									
HG4958-23P HG4958-07PCL HG4958-07PCR	A A A	23 dBi, 12" (30.5cm) Sq., Broadband, N Female Connector 7 dBi, Left Hand Circular Polarized Flat Patch Antenna, SMA Female Connector 7 dBi, Right Hand Circular Polarized Flat Patch Antenna, SMA Female Connector	100.00 75.00 75.00	92.00 69.00 69.00	84.00 63.00 63.00	CALL CALL CALL					

Call for special connectors and cable lengths









"STYLE" refers to shape of antenna in series.





Rubber Duck Antennas

HG2458-7RDR-NM

HG72703RDR-NM

Rubber Duck antennas usually come with an articulated "Swivel" joint, permitting the antenna base to pivot 90°. The antenna can also be ordered with a "Rigid" connector base, when the swivel is not required or needed. These antennas are numbered with an "RDR" suffix after the basic part number. The base can also have a "Rigid 90°" connector base which carries the "RDR90" suffix. If your application requires these options, please inquire about special orders at reasonable pricing.

7 dBi, Rigid Rubber Duck with N Male Connector

3 dBi, Rigid Rubber Duck with N Male Connector

698-2700 MHz Cellular (LTE)/WiFi Multi-Band Rubber Duck Antenna



10-24

11.96

23.00

23.00

23.00

17.86

11.04

9.20

10.12

6.90

7.36

9.20

9 20

9.20

9 20

17 02

11.04

11.04

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15 64

15.64

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23 00

23.00

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19 32

15.51

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15.51

15.51

17.02

23.04

23.04

23.50

23.50

29.14

29.14

28.20

28.20

24.84

25.76

27.00

28.00

25-99

10.92

10.92

21.00

21.00

21.00

16.72

10.08

8.40

9.24

6.30

6.72

8.40

8 40

8.40

8.40

15 54

10.08

10.08

15.96

14.28

14 28

14.28

23.52

21 00

21.00

21.00

17 64

14.52

14.52

14.52

14.52

15.54

22.08

22.08

22.00

22.00

27.28

27.28

26.40

26.40

22.68

23.52

100 +

CALL

"STYLE" refers to shape of antenna in series.

HG2458MGRD STYLE

F

HG72703RDR-NM

STYLE

C

HG1903MGRD-SM

STYLE

| D |

10-24 25-99 100+ Item # Style Description

Sectorial Omni Directional Antennas

HyperLink's sector antennas are designed for Cell Site installations and include a variety of gain, frequency and radiation patterns. These WiFi antennas feature our unique heavy-duty mounting systems that allow installation from level to over 20° down-tilt. These 120° arrays are available supporting a wide range of applications. These antennas feature stainless steel construction for all-weather operation.

2.4 GHz Sectorial Antenna Arrays

HK2414-120	A	14 dBi, Multi-Feed, Includes (3) 120° Antenna with Mounting Array	600.00	564.00	528.00	CALL
HK2414-120NF	A	14 dBi, Single-Feed, Includes (3) 120° Antenna with Mounting Array, Splitter, 3 Cables	750.00	705.00	660.00	CALL
HK2417-120	A	17 dBi, Multi-Feed, Includes (3) 120° Antenna with Mounting Array	690.00	648.60	607.20	CALL
HK2417-120NF	A	17 dBi, Single-Feed, Includes (3) 120° Antenna with Mounting Array, Splitter, 3 Cables	840.00	789.60	739.20	CALL
HK2420-120	A	20 dBi, Multi-Feed, Includes (3) 120° Antenna with Mounting Array	1465.00	1377.10	1289.20	CALL
HK2420-120NF	A	20 dBi, Single-Feed, Includes (3) 120° Antenna with Mounting Array, Splitter, 3 Cables	1615.00	1518.10	1421.20	CALL

Sectorial Panel Antennas

HyperLink's sectorial panel antennas are available in multiple frequencies, gain and 65-180°. They can be used stand alone or in circular groups to maximize coverage and feature heavy-duty plastic radome for all-weather operation, with mounting systems that adjust to pinpoint direction.

698 - 960 / 1710 - 2700 Sector DAS Antennas

HG72710XP-065	D	10 dBi, 65°, 1710-2700 MHz, Cross Polarized, (2) N Female Connectors, MIMO	215.00	197.80	180.60	CALL	
HG72712P-120	В	12 dBi, 120°, 1710-2700 MHz, N Female Connector	323.00	297.16	271.32	CALL	
HG72714P-090	В	13 dBi, 90°, 1710-2700 MHz, N Female Connector	329.00	302.68	276.36	CALL	

900 MHz Sectorial Panel Antennas

HG913P-120	В	13 dBi, 120°, N Female Connector	302.00	277.84	253.68	CALL
HG913HSP-120	В	13 dBi, 120°, Horizontal Polarized, N Female Connector	255.00	239.70	224.40	CALL

2.4 GHz Sectorial Panel Antennas

HG2412P-180	В	12 dBi, 180°, Sector Panel Antenna, N Female Connector	180.00	165.60	151.20	CALL	
HG2412SXP-120	D	12 dBi, 120°, Spatial Diversity/Cross Polarized, (4) N Female Connectors, MIMO	375.00	345.00	315.00	CALL	
HG2414SP-120	В	14 dBi, 120°, N Female Connector	181.00	166.52	152.04	CALL	
HG2415P-180	С	15 dBi, 180°, N Female Connector	340.00	312.80	285.60	CALL	
HG2416SXP-090	D	16 dBi, 90°, Spatial Diversity/Cross Polarized, (4) N Female Connectors, MIMO	410.00	377.20	344.40	CALL	
HG2417P-120	В	17 dBi, 120°, N Female Connector	205.00	188.60	172.20	CALL	
HG2420P-120	В	20 dBi, 120°, N Female Connector	430.00	395.60	361.20	CALL	
90 degree versions are available for most Sectorial Panel Antennas. Call your customer service representative for information.							

3.5 GHz Sectorial Panel Antenna

HG3517DP-090	В	17 dBi, 90°, Dual Polarized, (2) N Female Connectors, MIMO	325.00	299.00	273.00	CALL

5 GHz Sectorial Cross Polarized Antenna

HG5158-16XP-090	В	16 dBi, 90°, Cross Polarized, Dual Polarity, (2) N Female Connectors, MIMO	135.00	124.20	113.40	CALL

5 GHz Spatial Diversity Cross Polarized Antenna

HG5816SXP-090	D	16 dBi, 90°, Cross Polarized, Spatial Diversity (4) N Female Connectors, MIMO	430.00	395.60	361.20	CALL

5.4 GHz Sectorial Panel Antenna

HG5417P-090	В	17 dBi, 90°, N Female Connector	183.15	175.82	168.49	CALL

5.8 GHz Sectorial Panel Antennas

HG5814P-120	В	14 dBi, 120°, Integral N Female Connector	175.00	161.00	147.00	CALL
HG5817P-090	В	17 dBi, 90°, N Female Connector	180.00	165.60	151.20	CALL

2.4/4.9-5.8 GHz Dual Feed/Dual Band Sectorial Panel Antennas

HG2458-13P-180	В	13 dBi, 180°, (2) N Female Connectors, MIMO	375.00	345.00	315.00	CALL
HG2458-14P-090	В	14 dBi, 90°, (2) N Female Connectors, MIMO	225.00	207.00	189.00	CALL

4.9-5.8 GHz Dual Feed/Dual Polarity Sectorial Panel Antennas

HG5813DP-180	В	13 dBi, 180°, (2) N Female Connectors, MIMO	405.00	372.60	340.20	CALL
HG4958-17DP-090	В	17 dBi, 90°, (2) N Female Connectors, MIMO	120.00	115.20	110.40	CALL

5.1 - 5.8 GHZ Dual	Polarity Sectorial Panel Antenna				
HG5158-19DP-090 B	19 dBi, 90°, (2) N Female Connectors, MIMO	185.00	177.60	170.20	CALL



HK2414-120 STYLE Α



STYLE Α



HG2412SXP-120 STYLE D







"STYLE" refers to shape of antenna in series.





Style Description 1-9 10-24 25-99 100+

2.4 GHz Mobile Mount Antennas - Built for Demanding Mobile Applications

Our extensive line of magnetic mount and mast mount mobile Omni Directional antennas are perfect for demanding mobile applications including law enforcement, construction vehicles, and mobile metering. Several styles are offered with many frequency and gain choices supporting IEEE 802.11b/g/n.

 All weather construction 	
■ IEEE 000 11h/a/n	

weatner construction	Bluetootn® and WiFi
E 802.11b/g/n	. Magnetic and mast mount optio

• RoHS compliant

54.00

54.00

54.00

45.50

45.50

84.00

84.00

84.00

49.68

49.68

49.68

42.77

42.77

42.77

78.96

78.96

78.96

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

CALL

45.36

45.36

45.36

40.04

73.92

73.92

73.92

		• IEEE	802.11b/g/n	 Magnetic and mast mount options 				
Ma	gnetic Mobile I	Mount	S					
	A1-NFA10 A1-NMA10	C C	NMO to N Female, 10ft (3.0m) 195-Se NMO to N Male, 10ft (3.0m) 195-Serie		26.00 26.00	23.92 23.92	21.84 21.84	CALL CALL
	A1-RSPA10 A1-RTPA10	C C	NMO to RP-SMA Plug, 10ft (3.0m) 195 NMO to RP-TNC Plug, 10ft (3.0m) 195		26.00 26.00	23.92 23.92	21.84 21.84	CALL CALL
	A3-NFA10 A3-NMA10	D D	N Female to N Female, 10ft (3.0m) 199 N Female to N Male, 10ft (3.0m) 195-8		31.00 31.00	28.52 28.52	26.04 26.04	CALL CALL
	A3-RSPA10 A3-RTPA10	D D	N Female to RP-SMA Plug, 10ft (3.0m) N Female to RP-TNC Plug, 10ft (3.0m)		31.00 31.00	28.52 28.52	26.04 26.04	CALL CALL
	A6-RSP05 A6-RSP10	B B	RP-SMA Jack to RP-SMA Plug, 5ft (1.5 RP-SMA Jack to RP-SMA Plug, 10ft (3		21.00 21.00	19.32 19.32	17.64 17.64	CALL CALL
	A6-RTP05 A6-RTP10	B B	RP-SMA Jack to RP-TNC Plug, 5ft (1.5 RP-SMA Jack to RP-TNC Plug, 10ft (3.		21.00 21.00	19.32 19.32	17.64 17.64	CALL CALL
2.4	GHz Antennas	with	Magnetic Mobile Mounts					
HG	2403MGU-NM 2403MGU-RSP 2403MGU-RTP	F F F	3 dBi, Dual Band, 10ft (3.0m) Cable wi 3 dBi, Dual Band, 10ft (3.0m) Cable wi 3 dBi, Dual Band, 10ft (3.0m) Cable wi	ith RP-SMA Plug Connector	56.25 56.25 56.25	51.75 51.75 51.75	47.25 47.25 47.25	CALL CALL CALL
HG	2403MGURW-NM 2403MGURW-RSP 2403MGURW-RTP	G G G	3 dBi, White Radome, 10ft (3.0m) Cabl 3 dBi, White Radome, 10ft (3.0m) Cabl 3 dBi, White Radome, 10ft (3.0m) Cabl	le with RP-SMA Plug Connector	54.00 54.00 54.00	49.68 49.68 49.68	45.36 45.36 45.36	CALL CALL CALL

3 dBi, Black Radome, 10ft (3.0m) Cable with N Male Connector

5 dBi, 10ft (3.0m) Cable with N Male Connector

5 dBi, 10ft (3.0m) Cable with RP-SMA Plug Connector

5 dBi, 10ft (3.0m) Cable with RP-TNC Plug Connector

3 dBi, Black Radome, 10ft (3.0m) Cable with RP-SMA Plug Connector

3 dBi, Black Radome, 10ft (3.0m) Cable with RP-TNC Plug Connector

HG2409MGU-NF 8.5 dBi, 10ft (3.0m) Cable with N Female Connector HG2409MGU-NM HG2409MGU-RSP 8.5 dBi, 10ft (3.0m) Cable with N Male Connector 8.5 dBi, 10ft (3.0m) Cable with RP-SMA Plug Connector

HG2403MGURB-NM

HG2403MGURB-RSP

HG2403MGURB-RTP

HG2405MGU-NM

HG2405MGU-RSP

HG2405MGU-RTP

2.4 GHz Mobile N	lount	Antennas				
HG2403U-NM0	F	3 dBi, Dual Band, NMO Connector	35.50	32.66	29.82	CALL
HG2403UR-NMOW HG2403UR-NMOB	G G	3 dBi, White Radome, NMO Connector 3 dBi, Black Radome, NMO Connector	33.00 33.00	30.36 30.36	27.72 27.72	CALL CALL
HG2403UR-NFBB HG2403UR-BAN12RTP	A A	3 dBi, Black Radome, N-Female Bulkhead Connector 3 dBi, Black Radome, 12" (30.4cm) Pigtail, RP-TNC Plug Connector	46.00 46.00	42.32 42.32	38.64 38.64	CALL CALL
HG2405U-NM0 HG2405UR-NM0	E H	5 dBi, NMO Connector 5 dBi, Black Radome, Flex-Base, NMO Connector	25.00 102.32	23.00 94.14	21.00 85.95	CALL CALL
HG2408UR-NM	Н	8 dBi, Black Radome, Flex-Base, N Male Connector	102.00	95.88	89.76	CALL
HG2409U	1	8.5 dBi, N Male Connector	60.00	56.40	52.80	CALL

.5.8 GHz Antennas with Magnetic Mobile Mounts

2.4 - 5.8 GHZ ANTE	nnas	with Magnetic Mobile Mounts				
HG245803UR-NMOB	G	3 dBi, Dual band, Black Radome, NMO Connector	38.00	34.96	31.92	CALL
HG245803UR-NMOW	G	3 dBi, Dual band, White Radome, NMO Connector	38.00	34.96	31.92	CALL
HG245803MGURB-NF	G	3 dBi, Dual Band, 10ft (3.0m) Cable with N Female Connector	59.00	54.28	49.56	CALL
HG245803MGURB-NM	G	3 dBi, Dual Band, 10ft (3.0m) Cable with N Male Connector	59.00	54.28	49.56	CALL
HG245803MGURB-RSP	G	3 dBi, Dual Band, 10ft (3.0m) Cable with RP-SMA PLUG Connector	59.00	54.28	49.56	CALL
HG245803MGURB-RTP	G	3 dBi, Dual Band, 10ft (3.0m) Cable with RP-TNC PLUG Connector	59.00	54.28	49.56	CALL
HG245803MGURB-SM	G	3 dBi, Dual Band, 10ft (3.0m) Cable with SMA Male Connector	59.00	54.28	49.56	CALL
HG245803MGURB-TM	G	3 dBi, Dual Band, 10ft (3.0m) Cable with TNC Male Connector	59.00	54.28	49.56	CALL
HG245803MGURW-NF	G	3 dBi, Dual Band, 10ft (3.0m) Cable with N Female Connector	59.00	54.28	49.56	CALL
HG245803MGURW-NM	G	3 dBi, Dual Band, 10ft (3.0m) Cable with N Male Connector	59.00	54.28	49.56	CALL
HG245803MGURW-RSP	G	3 dBi, Dual Band, 10ft (3.0m) Cable with RP-SMA PLUG Connector	59.00	54.28	49.56	CALL
HG245803MGURW-RTP	G	3 dBi, Dual Band, 10ft (3.0m) Cable with RP-TNC PLUG Connector	59.00	54.28	49.56	CALL
HG245803MGURW-SM	G	3 dBi, Dual Band, 10ft (3.0m) Cable with SMA Male Connector	59.00	54.28	49.56	CALL
HG245803MGURW-TM	G	3 dBi, Dual Band, 10ft (3.0m) Cable with TNC Male Connector	59.00	54.28	49.56	CALL

Cellular (LTE)/WiFi Multi-Band Mobile Antennas

HyperLink Wireless multi-band mobile antennas are designed to operate from 698-960 MHz to 1710-2700 MHz, making them ideal for Cellular LTE and IEEE 802.11g WiFl applications. Their operational frequency range also makes them compatible with in-building DAS networks which are used to distribute Cellular and WiFi signals throughout a building or area.

HG72703UR-NMOB HG72703UR-NMOW	G G	3 dBi, Multi Band, Black Radome, NMO Connector 3 dBi, Multi Band, white Radome, NMO Connector	38.00 38.00	34.96 34.96	31.92 31.92	CALL
HG72703MGURB-NF		, ,		54.28	49.56	CALL
	G	3 dBi, Multi Band, 10ft (3.0m) Cable with N Female Connector	59.00			
HG72703MGURB-NM	G	3 dBi, Multi Band, 10ft (3.0m) Cable with N Male Connector	59.00	54.28	49.56	CALL
HG72703MGURB-RSP	G	3 dBi, Multi Band, 10ft (3.0m) Cable with RP-SMA PLUG Connector	59.00	54.28	49.56	CALL
HG72703MGURB-RTP	G	3 dBi, Multi Band, 10ft (3.0m) Cable with RP-TNC PLUG Connector	59.00	54.28	49.56	CALL
HG72703MGURB-SM	G	3 dBi, Multi Band, 10ft (3.0m) Cable with SMA Male Connector	59.00	54.28	49.56	CALL
HG72703MGURB-TM	G	3 dBi, Multi Band, 10ft (3.0m) Cable with TNC Male Connector	59.00	54.28	49.56	CALL
HG72703MGURW-NF	G	3 dBi, Multi Band, 10ft (3.0m) Cable with N Female Connector	59.00	54.28	49.56	CALL
HG72703MGURW-NM	G	3 dBi, Multi Band, 10ft (3.0m) Cable with N Male Connector	59.00	54.28	49.56	CALL
HG72703MGURW-RSP	G	3 dBi, Multi Band, 10ft (3.0m) Cable with RP-SMA PLUG Connector	59.00	54.28	49.56	CALL
HG72703MGURW-RTP	G	3 dBi, Multi Band, 10ft (3.0m) Cable with RP-TNC PLUG Connector	59.00	54.28	49.56	CALL
HG72703MGURW-SM	G	3 dBi, Multi Band, 10ft (3.0m) Cable with SMA Male Connector	59.00	54.28	49.56	CALL
HG72703MGURW-TM	G	3 dBi, Multi Band, 10ft (3.0m) Cable with TNC Male Connector	59.00	54.28	49.56	CALL

ltem # Style Description 1-9 10-24 25-99 100+

380-6000 MHz DAS and Public Safety DAS Antennas

HyperLink's high performance DAS and Public Safety DAS ceiling mount omni directional antennas are specifically designed to distribute Cellular and WiFi signals throughout a building or area. Public Safety DAS antennas also provide low band coverage for UHF, 600 MHz, 1390-1432 MHz and AWS-3 bands. The Multi-Band design of these omni antennas eliminates the need to purchase different antennas for each frequency.

HG72706DPCUPR-NF	M	700-2700 MHz, 3.5-5.8 dBi, PIM Rated, MIMO, (2) N Female Connectors	98.00	90.16	82.32	CALL
HG75805CUPR-NF	L	700-6000 MHz, 2/5 dBi, PIM Rated, N Female Connector	78.00	71.76	65.52	CALL
HG35805CUPR-NF	0	380-6000 MHz, 2-6.4 dBi, PIM Rated, N Female Connector	125.00	115.00	105.00	CALL
HG72704CU-NF	L	700-2700 MHz, 3/4 dBi, N Female Connector	31.00	29.14	27.28	CALL
HG72704CU-RSP	L	700-2700 MHz, 3/4 dBi, RP-SMA Plug Connector	31.00	29.14	27.28	CALL
HG72704CU-RTP	L	700-2700 MHz, 3/4 dBi, RP-TNC Plug Connector	31.00	29.14	27.28	CALL
HG72705CUPR-NF	L	700-2700 MHz, 2/5 dBi, PIM Rated, N Female Connector	62.00	57.04	52.08	CALL

2.4 GHz/2.4-5.8 GHz Ceiling Antennas - Indoor Single Band/Dual Band/MIMO Antennas

3 dBi, Spatial Diversity Ceiling Antenna, (3) N Female Connectors

HyperLink® offers a number of Ceiling Antennas in 2.4 GHz and 2.4/5.8 GHz frequencies for many indoor applications. The coverage is 360° and operating with single feed (1 X 1) as well as the new MIMO Multiple feeds (3 X 3 and 6 X 6). MIMO antennas provide the user with a single antenna to couple with the many multiple feed wireless radios operating in 802.11a/b/g/n.

60.00

57.60

CALL

2.4 GHz MIMO Spatial Diversity Ceiling Antennas

HG2403-SDC-3NF

HG2403-SDC-3NM	J	3 dBi, Spatial Diversity Ceiling Antenna, (3) N Male Connectors	60.00	57.60	55.20	CALL
HG2403-SDC-3RSP	J	3 dBi, Spatial Diversity Ceiling Antenna, (3) RP-SMA Plug Connectors	60.00	57.60	55.20	CALL
HG2403-SDC-3RTP	J	3 dBi, Spatial Diversity Ceiling Antenna, (3) RP-TNC Plug Connectors	60.00	57.60	55.20	CALL
2.4 - 5.8 GHz Dua	l Band	MIMO Spatial Diversity Ceiling Antennas				
HG2458-3SDC-3NF	J	3 dBi, Dual Band Spatial Diversity, (3) N Female Connectors	60.29	56.68	53.06	CALL
HG2458-4SDC-6RSP	K	4 dBi, Dual Band Spatial Diversity, (6) RP-SMA Plug Connectors	91.00	85.54	80.08	CALL
HG2458-4SDC-6RTP	K	4 dBi, Dual Band Spatial Diversity, (6) RP-TNC Plug Connectors	90.47	85.04	79.61	CALL
2.4 - 5.8 GHz Dua	l Band	Ceiling Antennas				
HG2458CU-NF	L	3 dBi, Dual Band Ceiling Antenna, N Female Connector	49.00	45.08	41.16	CALL
HG2458CU-RTP	L	3 dBi, Dual Band Ceiling Antenna, RP-TNC Plug Connector	49.00	45.08	41.16	CALL

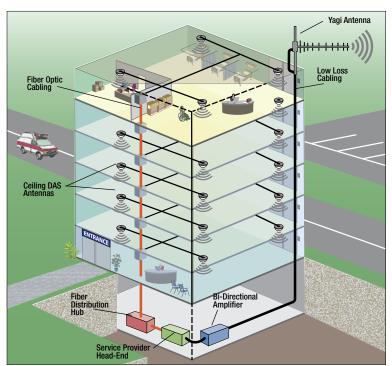
Dual Band GPS/Cellular (3G/LTE) Mobile Magnetic Mount Antennas

The HyperLink Wireless HG-PCGM Series are a small form factor, high performance, combination GPS/Cellular (3G/LTE) antennas aimed at automatic vehicle locator and fleet tracking management systems that serve public safety, railroad, agriculture, utility, mass transit, and defense industries among others.

HG-PCGM01-03FJ	N	28 dBi (GPS) / 3 dBi (Cellular), Magnetic Mount with (2) Fakra Jack Connectors	42.00	38.64	35.28	CALL
HG-PCGM01-03SM	N	28 dBi (GPS) / 3 dBi (Cellular), Magnetic Mount with (2) SMA Male Connectors	42.00	38.64	35.28	CALL



"STYLE" refers to shape of antenna in series.



Medical Facility DAS Network

In the application diagram, L-com's DAS ceiling antennas are connected via low loss coaxial cable to fiber distribution units and then to the data center via fiber optic cabling providing staff, patients and guests with broadband wireless access supporting both cellular and WiFi device connectivity.



10-24

72.68

31.02

34.78

38.54

41.36

48 88

39.56

59.80

133 40

49.68

47.84

47.84

49.68

54.28

54.28

59 80

59.80

166.52

78 20

23.92

23.92

23 92

23 92

24.84

24.84

24.74

24.84

24 84

24.84

34.04

15.64

15.64

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15.36

17.28

17.28

34.96

79.90

79.90

38 64

38.64

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38.64

38.64

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43.24

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25-99

66.36

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121 80

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71 40

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21.84

21 84

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22 68

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31.08

14.28

14.28

14.72

14.72

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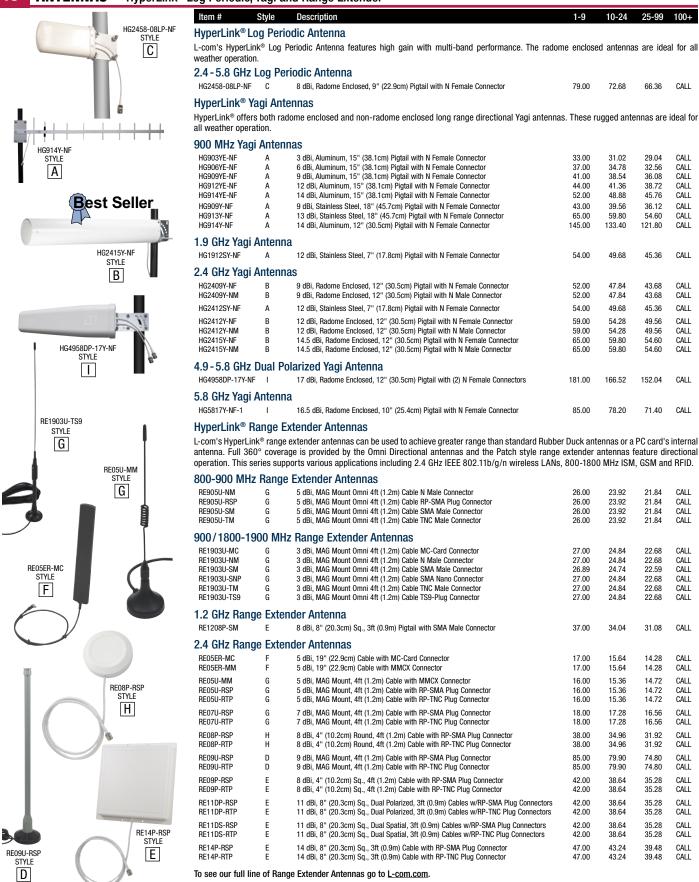
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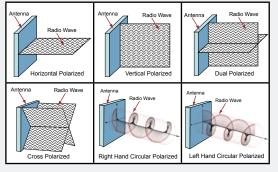
CALL



"STYLE" refers to shape of antenna in series.

Tip What is Polarity?

Polarization refers to the orientation of the electric field component of an electromagnetic wave with respect to the Earth's surface. An electromagnetic wave is composed of electric and magnetic fields propagating perpendicular to each other. Radio and light are both electromagnetic waves. Electromagnetic waves can propagate with linear, circular or elliptical polarization. Linear polarization is the most popular method used in WiFi communications and can take two forms, vertical and horizontal. Some antennas utilize dual polarity which provides access and interoperability with both vertical and horizontal polarized antennas. Other polarization options include cross polarization where one element is $+45^{\circ}$ polarized and the other is -45° polarized. The two opposing 45° angle of the elements produces



a cross or X orientation. Circular-polarized antennas have equal response to either horizontal or vertical polarized antennas. These antennas are designed to either support right hand or left hand polarization to suit varied wireless connectivity applications.

Item #	Description			1-9	10-24	25-99	100+

Mounting Brackets for Antennas, Amplifiers and Surge Protectors

L-com offers an extensive line of mounting bracket options for its antennas, amplifiers, and surge protectors. Options include wall mount, window mount, mast mount and more. Visit us online at L-com.com for complete bracket dimensions and specifications.

HGX-LPMOUNT01	ALQ2-NMNFB Surge Protector Mounting Bracket	6.25	5.75	5.25	CALL
HGX-PMT02	Indoor Antenna Mounting Kit, Small Metal Tilt & Swivel	13.00	11.96	10.92	CALL
HGX-PMT03	Indoor Antenna Mounting Kit, Medium Plastic Tilt & Swivel	15.00	13.80	12.60	CALL
HGX-PMT04	Large Metal Tilt & Swivel Mounting Bracket for Wall or Mast Mounting	24.00	22.08	20.16	CALL
HGX-PMT06	60° Tilt & Swivel Mounting Kit for Mounting to 1.25" to 2" Dia. Masts	12.00	11.04	10.08	CALL
HGX-PMT07	Stationary Mounting Kit for Mounting to 1.25" to 2" Dia. Masts	8.00	7.36	6.72	CALL
HGX-PMT08	Suction Cup Window Mounting Kit for Select HyperLink Antennas	13.00	11.96	10.92	CALL
HGX-PMT11	Heavy Duty Stationary Mast Mounting Kit for Mounting to 1.25" to 2" Dia.	14.00	12.88	11.76	CALL
HGX-PMT14	Mast Mount Kit for Outdoor Filters/Splitters 1.25" to 2" Dia. Masts	16.00	14.72	13.44	CALL
HGX-PMT15	Indoor Antenna Mounting Kit - Compact Metal Tilt & Swivel	13.00	11.96	10.92	CALL
HGX-PMT23	Heavy Duty Angled Mast Antenna Mount	12.00	11.04	10.08	CALL
HGX-PMT26	Antenna Array Pole Mount Kit for 120 Degree Sectorial Antennas	135.00	124.20	113.40	CALL
HGX-PMT31	Sector Panel Antenna Replacement Mounting Hardware	57.00	52.44	47.88	CALL
HGX-MMOUNT01	Ratchet Style Marine Antenna Mount	16.00	14.72	13.44	CALL
HGX-UMOUNT	Powder Coated Galvanized Steel "DSS-style" Arm-Outdoor Wall Mounting 21"	20.00	19.20	18.40	CALL
HGX-UMOUNT-10PK	Powder Coated Galvanized Steel "DSS-style" Arm-Outdoor Wall Mounting 10 Pack	150.00	144.00	138.00	CALL
HGX-UMOUNT01	Powder Coated Galvanized Steel "DSS-style" Arm-Outdoor Wall Mounting 26.7"	20.00	19.20	18.40	CALL
HGX-UMOUNT01-10PK	Powder Coated Galvanized Steel "DSS-style" Arm-Outdoor Wall Mounting 10 Pack	155.00	148.80	142.60	CALL
HGX-UMOUNTO2	Ceiling/Wall Mount for 4.5" Sq. and 8.5" Sq. Patch Antennas	19.00	18.24	17.48	CALL
HGX-UMOUNTO4	Universal Corner Mounting Bracket	30.00	28.80	27.60	CALL
HGX-UMOUNTO7	Universal Tube Antenna/Satellite Dish Mount	28.00	26.88	25.76	CALL

RET/AISG 8-Pin FS1 Type Male or Female Connectors

Remote Electrical Tilt (RET) antenna systems are designed so that wireless providers can make adjustments remotely to their antenna systems. The Antenna Interface Standards Group (AISG) has created specifications for the control interface for these types of systems. L-com now offers these FS1 type connectors for AISG applications as well as industrial control applications.

AISGM-2000	RET/AISG 8-Pin FS1 Type Connector, Male	14.50	13.92	13.34	CALL
AISGF-2000	RET/AISG 8-Pin FS1 Type Connector, Female	14.50	13.92	13.34	CALL

RET/AISG 6-Conductor Control Cable Assemblies

L-com's 6-Conductor Remote Electrical Tilt (RET)/AISG compatible control cable assemblies are terminated with Male and Female FS1 type DIN connectors. The connectors on these cable assemblies are interchangeable with Amphenol C 901 A/B/C and Binder 423 series connectors.

CA-AISG6MFM01	RET/AISG 6-Conductor Control Cable, Male/Female, 1.0m	61.14	59.30	57.47	CALL	
CA-AISG6MFM02	RET/AISG 6-Conductor Control Cable, Male/Female, 2.0m	65.18	63.22	61.27	CALL	
CA-AISG6MFM03	RET/AISG 6-Conductor Control Cable, Male/Female, 3.0m	69.22	67.14	65.07	CALL	
CA-AISG6MFM04	RET/AISG 6-Conductor Control Cable, Male/Female, 4.0m	74.50	72.27	70.03	CALL	
CA-AISG6MFM05	RET/AISG 6-Conductor Control Cable, Male/Female, 5.0m	78.44	76.09	73.73	CALL	
CA-AISG6MFM06	RET/AISG 6-Conductor Control Cable, Male/Female, 6.0m	82.48	80.01	77.53	CALL	
CA-AISG6MFM09 CA-AISG6MFM10	RET/AISG 6-Conductor Control Cable, Male/Female, 9.0m RET/AISG 6-Conductor Control Cable, Male/Female, 10.0m	95.95 101.18	93.07 98.15	90.19 95.11	CALL	
CA-AISG6MFM15	RET/AISG 6-Conductor Control Cable, Male/Female, 15.0m	121.24	117.60	113.96	CALL	
CA-AISG6MFM20	RET/AISG 6-Conductor Control Cable, Male/Female, 20.0m	141.23	137.00	132.76	CALL	
CA-AISG6MFM30	RET/AISG 6-Conductor Control Cable, Male/Female, 30.0m	182.68	177.20	171.72	CALL	
CA-AISG6MFM40	RET/AISG 6-Conductor Control Cable, Male/Female, 40.0m	222.68	216.00	209.32	CALL	
CA-AISG6MFM50	RET/AISG 6-Conductor Control Cable, Male/Female, 50.0m	264.02	256.10	248.18	CALL	
CA-AISG6MFM60	RET/AISG 6-Conductor Control Cable, Male/Female, 60.0m	304.12	295.00	285.88	CALL	

Item # Description List Price

6-Conductor RET/AISG Control Cable by the Meter

L-com now offers 6-Conductor Remote Electrical Tilt (RET) control cable, by the meter.

CA-AISG6-METER 6-Conductor Control Cable, per Meter



















4.13