

GLOBAL CONNECTIVITY SOLUTIONS



## WIRELESS ANTENNA SOLUTIONS

AVAILABLE FOR SAME-DAY SHIPPING



# WIRELESS ANTENNA SOLUTIONS

Deliver wireless coverage just about anywhere—inside buildings, around campuses, metropolitan areas, densely populated areas, and more with reliable L-com antennas.

L-com antennas can support the latest technologies, such as LTE 4G, 5G, CBRS and WiFi 6e, as well as the older standards. L-com carries all of the related products and accessories to support your wireless system installation, such as connectors, cable assemblies, RF passive devices, radome covers, feedhorns, hardware, and mounting brackets.



## Antenna Solutions Providing Faster, Easier Deployment

L-com offers in-building and outdoor base station RF antenna solutions for installers and their clients, providing simple, reliable, and cost-effective deployment. From multi-band and WiFi 6e to LTE and 5G, our broad selection of directional and omnidirectional antennas will deliver the reliable performance you expect as you keep up with your increasing network demand. Our engineers utilize advanced technology and design and create best-in-class innovative antenna products.

Allow L-com to be your preferred antenna expert for your next project.

- Thousands of items in-stock and shipped-same day
- Free technical support
- Value-added services available
- Customization available



## Custom Antennas and Related Products

In addition to having one of the broadest selections of antennas available, L-com can design a custom antenna to suit your needs. Custom orders make up a large percentage of the antennas we manufacture, so you can be assured that L-com has unique capabilities and experience to design and build the antenna you require. Whether you need custom gains and frequencies, specific antenna lead lengths, connectors, color, or certain OEM packaging, L-com will design and manufacture to suit your specific requirements.

## Antennas for All Radio Manufacturers

L-com's antennas are designed to work seamlessly with all radios regardless of the manufacturer providing superior performance, quality, and durability. Don't let the radio manufacturers limit your antenna choice when deploying your network; choose the best antenna for your application by using L-com's wireless antennas on your next project. L-com has successfully paired their antennas with radios from Cisco, Cambium, Ubiquiti, MicroTek, Aruba Networks, Ruckus Wireless, and many others.

## Related Product and Accessories

L-com can also supply related products for your antenna system and installation requirements, such as:

- Low loss coax cable, connectors, adapters, and assemblies
- Low PIM coax cable, connectors, adapters, and assemblies
- Coax lightning protectors
- Amplifiers, splitters, filters and CPEs
- Antenna mounts, kits, radomes, spare parts, and tools

## Custom Cable Assembly Configurator

L-com's Custom Cable Assembly Configurator allows you to create low loss, PIM, and RG series style coaxial cable assemblies.

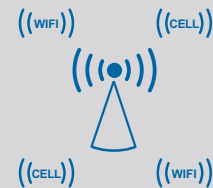
## WIRELESS TYPE



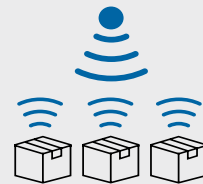
Point-to-Point/Bridge



Point-to-Multi-Point



Distributed Antenna System

















RFID



SCADA



Mobile Wireless

Antenna Type	Connector Options	Horizontal Beamwidth Options	Min Frequency (MHz)	Max Frequency (MHz)	Min Gain	Max Gain	Applications
<b>Rubber Duck</b> 	RP-SMA, SMA, RP-TNC, TNC, N, MMCX	360°	615	7250	0	9	Internet of Things, RFID, mobile networks, WLAN
<b>Omnidirectional</b> 	MMCX, N, NMO, BNC, TNC, RP-SMA, RP-TNC,	360°	400	5800	0	15	Telecommunications, remote sensing, LoRA, WLAN, RFID, Internet of Things, Point-to-Multipoint (PtMP)
<b>Antenna Array</b> 	N	120°, 360°	2400	2500	14	20	Telecommunications, mobile wireless
<b>Indoor / DAS</b> 	RP-SMA, SMA, RP-TNC, TNC, N	9°, 15°, 18°, 60°, 90°, 360°	300	6000	2	6	Large venue cellular networks, convention centers, hospitals and medical campuses, educational and business campuses, stadiums, airports, mining, manufacturing (Industry 4.0)
<b>Marine</b> 	RP-SMA	360°	2400	2500	8.5	8.5	Boating and dockside communications
<b>Mobile/Vehicle Mount</b> 	N, NMO, RP-SMA, RP-TNC, SMA, TNC	360°	108	5800	2	8	Public Safety, transit/smart cities, fleet tracking, smart agriculture vehicle tracking, portable wireless devices
<b>Yagi</b> 	RP-SMA, SMA, RP-TNC, TNC, N	43°, 50°, 60°, 70°	400	5800	3	14	Point-to-point communications, communications backhaul
<b>Grid</b> 	N	5°, 12°, 18°	824	5800	15	30	Economical point-to-point communications, communications backhaul
<b>Sector</b> 	N	65°, 90°, 120°, 180°	698	5800	9	17	Telecommunications, point-to-multipoint (PtMP), outdoor wireless coverage
<b>Flat Panel</b> 	RP-SMA, SMA, RP-TNC, TNC, N	70°, 60°, 40°, 30°, 22°	824	5800	9	18	Point-to-point communications, RFID, distributed antenna systems (DAS), SCADA/remote sensing
<b>Parabolic Dish</b> 	N	5°, 6°, 9°, 18°, 25°	2400	5800	14	34	Point-to-point communications, communications backhaul
<b>Embedded PCB</b> 	U.FL, IPX	360°	698	5800	0	5	Device manufacturing, hidden/integrated antenna systems, Internet of Things, retail
<b>Log Periodic</b> 	N	45°, 60°	698	5800	8	10	Point-to-point communications, wideband communications backhaul
<b>GPS/GNSS</b> 	Fakra, SMA, U.FL, IPX, NMO, TNC	360°	1574	1610	2	32 (with LNA)	Geolocation, timing synchronisation for critical systems (i.e. telecommunications, banking, positive train control, etc.)

# EASY ORDERING

## Standard Antenna Part Numbering System

The chart below is provided as a reference to help you understand L-com's standard antenna part numbers. From a single part number, you can obtain information such as antenna series and type, frequency, gain, and connector options. Please note, while L-com inventories thousands of antenna products, not all option combinations may be available. Some options may be offered as modified or custom antenna orders. Please contact our sales team to discuss your requirements at **1-800-341-5266**.

### ANTENNA SERIES

CODE	DESCRIPTION
HGV	Value Series
HG	Standard Series
HK	Sectorial Array Series

### DUAL BAND FREQUENCY

CODE	FREQUENCY
627	600-2700 MHz
638	600-3800 MHz
658	600-6000 MHz
671	600-7150 MHz
824	800-2500 MHz
727	700/2700 MHz
758	700-6000 MHz
2458	2.4/5.8 GHz
2471	2.4/5.8/7 GHz
5158	5.1-5.8 GHz

### SINGLE BAND FREQUENCY

CODE	FREQUENCY
4XX <sup>1</sup>	400 MHz
8XX <sup>1</sup>	800 MHz
9XX <sup>1</sup>	900 MHz
12XX <sup>1</sup>	1.2 GHz
19XX <sup>1</sup>	1.9 GHz
24XX <sup>1</sup>	2.4 GHz
26XX <sup>1</sup>	2.6 GHz
35XX <sup>1</sup>	3.5 GHz
49XX <sup>1</sup>	4.9 GHz
53XX <sup>1</sup>	5.3 GHz
54XX <sup>1</sup>	5.4 GHz
58XX <sup>1</sup>	5.8 GHz

### ANTENNA TYPES

CODE	FREQUENCY
Parabolic Grid Antennas	
EG	Economy
G	Standard Series
Dish Antennas	
D	Standard Series
DPD	Dual Polarized Series
Pannel / Patch Antennas	
P	Standard Series
PCL	Left Hand Circular Polarized Series
PCR	Right Hand Circular Polarized
DP	Dual Polarized Series
SD/DS	Spatial Diversity Series
XP	Cross Polarized Series
PEV	Panel Enclosure Antenna Series
Sectorial Antennas	
P-XXX <sup>2</sup>	Standard Series
SXP-XXX <sup>2</sup>	Spatial Diversity/Cross Polarized Series
SP-XXX <sup>2</sup>	Vertical Polarized Series
HSP-XXX <sup>2</sup>	Horizontal Polarized Series
DP-XXX <sup>2</sup>	Dual Polarized Series
XP-XXX <sup>2</sup>	Cross Polarized Series
Omni Directional Antennas	
U	Standard Series
UP	MINI PRO Series
UP-PRO	PRO Series
DPU	Dual Polarized Series
UDT	Electrical Down Tilt Series
UR	Random Enclosed Mobile Series
MGU	Magnetic Mount Series
MGURB	Black Random Enclosed Magnetic Mount Series
MGRUW	White Random Enclosed Magnetic Mount Series
UM	Marine Series
Ceiling Mount Omni-Directional Antennas	
CU	Standard Series
CUPR	Low PIM Series
DPCUPR	Dual Polarized/Low PIM Series
SDC	Spatial Diversity Series
Yagi Antennas	
Y	Standard Series
SY	Stainless Steel Series
YE	Aluminum Series
Log Periodic Antennas	
LP	Standard Series
Rubber Duck Antennas	
RD	Rubber Duck
RDR	Rigid Rubber Duck
MGRD	Magnetic Mount Rubber Duck
Embedded PCB Antennas	
PU	Omnidirectional PCB Series
PUE	End-fed Omnidirectional Series
FPU	Flexible PCB Series
PUSQ	Square PCB Series

### CONNECTOR OPTIONS<sup>3</sup>

CODE	FREQUENCY
NF	N-Female
NM	N-Male
SM	SMA Male
TM	TNC Male
TF	TNC Female
BM	BNC Male
BF	BNC Female
RNP	Reverse Polarity N Plug
RNJ	Reverse Polarity N Jack
RSP	Reverse Polarity SMA Plug
RSJ	Reverse Polarity SMA Jack
RTP	Reverse Polarity TNC Plug
RTJ	Reverse Polarity TNC Jack
RBP	Reverse Polarity BNC Plug
RBJ	Reverse Polarity BNC Jack
IPEX	IPEX / UMCX compatible
UFL	IPEX / UMCX compatible

### Single Frequency Antenna

H G 2 4 1 5 E G - N F

Antenna Series	Single Band Frequency (2.4 GHz Shown)	Gain (dBi)	Antenna Type	Connector Type
----------------	---------------------------------------	------------	--------------	----------------

### Dual Frequency Antenna

H G 2 4 5 8 - 3 S D C - 3 N F

Antenna Series	First Frequency (2.4 GHz Shown)	Second Frequency	Gain (dBi)	Antenna Type	Connector Type <sup>3</sup>
----------------	---------------------------------	------------------	------------	--------------	-----------------------------

### FOOTNOTES

1XX = Gain (dBi)  
2XXX = Beam Width Degree (090 = 90°, 120 = 120°, 180 = 180°)  
3 Number before connector type indicated antenna with multiple connectors (Ex. 3NF = Three N-Female connectors)

# L-COM ANTENNA SOLUTIONS FOR ANY NEED, WHEN YOU NEED THEM



## CONTACT US



**Monday - Friday 8am - 8pm ET**  
**24/7 Phone Support**



**Contact Center**  
**International**  
**Fax**

+1 (800) 341-5266  
+1 (978) 682-6936  
+1 (978) 689-9484



**Account Reps**  
**Customer Service**  
**Product/Tech Support**

sales@l-com.com  
customerservice@l-com.com  
support@l-com.com



**l-com.com**



USA & Canada +1 (800) 341-5266 | International +1 (978) 682-6936 | [L-com.com](http://L-com.com)