HyperLink® Wireless Antennas

Wireless Antenna Tutorial

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 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.

A Critical Component for Every Wireless Application…

The selection of the correct antenna is paramount to achieving overall wireless system performance. L-com's HyperLink® 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 HyperLink® antenna to fit the application.

Antenna Configurations/Characteristics

 GRID - Range, Gain, Rugged Outdoor	 CEILING - 360° Coverage, Indoor	LOG PERIODIC - Range, Narrow Beam 	 DIVERSITY - Multi-Band, Broad Band
 DISH - Range, Gain, Narrow Beam	YAGI - Range, Narrow Beam, Gain 	 PANEL - Gain, Wide Beam, Outdoor	 RUBBER DUCK - 360° Coverage, Access Points, Routers
 OMNI - 360°Coverage, Indoor/Outdoor	 MOBILE MOUNT - 360° Coverage, Outdoor	 ARRAYS - 360° Coverage, Gain, Range	 MARINE - 360° Coverage, Nautical Environments

Frequencies Covered by L-com's HyperLink® Antennas

- 900 MHz
- 1.2 GHz
- 1.9 GHz
- 2.4 GHz
- 2.6 GHz
- 3.5 GHz
- 4.9 GHz
- 5.1 GHz
- 5.3 GHz
- 5.4 GHz
- 5.8 GHz
- Multi-Band
- Very Broad-Band
- Custom

L-com Global Connectivity

For more useful information go to.... www.L-com.com/Resources