

## HyperLink Wireless Brand HyperGain® 2.4 GHz 8.5 dBi "Range Doubler" Omni-directional Wireless LAN Antenna

Model: RE09U

### Applications and Features

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#### Applications:

- 2.4 GHz ISM Band
- 2.36 GHz CDMA Band
- IEEE 802.11b and 802.11g Wireless LAN
- Bluetooth®
- Public Wireless Hotspot
- WiFi
- Multipoint and Mobile Applications

#### Features:

- Superior performance
- Double the range of "rubber duck" antennas
- Compact, lightweight design
- Durable UV-stable fiberglass radome
- Vented end cap and drain holes in base
- All weather operation
- Magnetic base with 4 ft. coax lead
- Standard and custom connectors available
- Can be installed in up or down positions
- Optional antenna mounts available



### Description

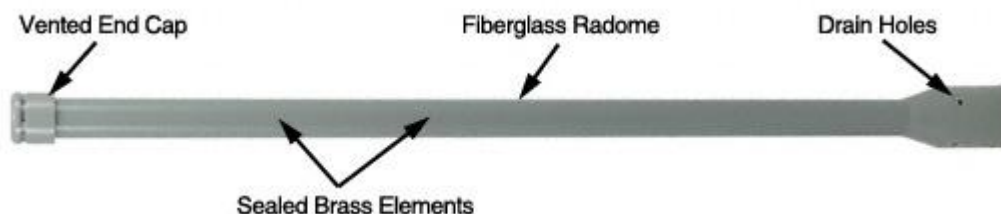
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#### Omni-directional "Range-Doubler"

This WiFi antenna is ideally suited for applications where 360 degree coverage is desired. This antenna features a weighted magnetic base suitable for use on a tabletop or shelf. It can be used both indoors and outdoors to achieve up to double the range of "rubber duck" and PC card internal antennas. It is ideally suited for IEEE 802.11b and 802.11g wireless LANs, Bluetooth®, public wireless hotspot applications and other systems operating in the 2.4 GHz ISM band and 2.36 GHz CDMA band.

This antenna features a magnetic base with attached 4 foot cable terminated with the appropriate radio connector, eliminating the need for a separate radio pigtail adapter.

Constructed for all weather operation, the RE09U features sealed collinear brass elements inside a durable UV-stable machine gray fiberglass radome. A vented end cap and drain holes in the base help prevent moisture build-up inside the antenna. These features allow the RE09U to be mounted in up or down positions.



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## Antenna Specifications

### Electrical Specifications

|                     |               |
|---------------------|---------------|
| Frequency           | 2360-2500 MHz |
| Gain                | 8.5 dBi       |
| Impedance           | 50 Ohm        |
| VSWR                | < 2.0:1 avg.  |
| Maximum Input Power | 100 W         |

### Mechanical Specifications

|                       |                                       |
|-----------------------|---------------------------------------|
| Polarization          | Vertical                              |
| Vertical Beam Width   | 15°                                   |
| Horizontal Beam Width | 360°                                  |
| Weight                | 1.5 lbs. (.68 kg)                     |
| Length                | 21 in. (533 mm)                       |
| Radome Material       | Gray Fiberglass                       |
| Wind Survival         | >150 MPH                              |
| Operating Temperature | -40° C to 85° C<br>(-40° F to 185° F) |
| Mounting              | Magnetic Base                         |
| Antenna Connector     | Integral N-Male                       |

### RF Antenna Gain Pattern

