



## 800-900/1800/1900 MHz Tri-Band 3 dBi Magnetic Mount Omnidirectional Range Extender Antenna - RE1903U

### Applications and Features

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- Applications:**
- PCS cellular radio applications
  - GSM, ISM, WLAN, RFID applications
  - Mobile applications
  - GPRS/EDGE or CSD, (WAN) connections on GSM 850 and 1800/1900 networks (Sony Ericsson® EDGE / Cingular Wireless® EDGE PC-Card)
  - Can be used with the following wireless data services (Sierra Wireless AirCard® required):
    - Alltel®
    - AT&T® Wireless
    - Cellular One®
    - Sprint PCS®
    - SureWest®
    - T-Mobile®
    - U.S. Cellular®
    - Verizon Wireless®

**Features:**



- Superior performance
- Compact size
- Can be used with 900/1800/1900/2100 MHz systems
- Magnetic mounting system with attached 4 foot cable
- Indoor or outdoor use
- RoHS Compliant
- Sierra Wireless AirCard® 300/350/550/555/750/860/875 compatible model available (RE1903U-SNP)
- Sierra Wireless AirCard® 580 compatible model available (RE1903U-MC)
- Sony Ericsson® / Cingular Wireless® EDGE GC75/CG82/GC83/GC85 PC-Card compatible model available (RE1903U-SEP)



### Description

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This compact magnetic mount 3 dBi omni antenna provides broad coverage and is designed to operate in 900MHz, 1800MHz and 1900MHz bands. This Tri-Band design eliminates the need to purchase different antennas for each frequency. In the 800MHz - 900MHz band it is ideally suited for GSM, ISM, WLAN, RFID applications. In the 1800MHz and 1900MHz bands it can be used with Personal Communication Services (PCS) cellular radio wireless applications. This antenna is also compatible with UMTS 1900 MHz and UMTS 2100 MHz applications.

The compact size of this antenna is ideal where omni-directional coverage and low visibility are desired. Mobile applications including service vehicles, public transportation, law enforcement, mining and construction vehicles, as well as numerous other commercial and industrial applications where mobility is required. The magnetic base is suitable for fixing to vehicles or other metal surfaces as well as sitting on a tabletop or shelf.

## Specifications

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### Antenna Electrical Specifications

<b>Frequency Ranges</b>	824 - 960 MHz 1710 - 1880 MHz 1880 - 2100 MHz
<b>Gain</b>	3 dBi
<b>Maximum Input Power</b>	10 W
<b>VSWR</b>	≤ 2.0

### Antenna Mechanical Specifications

<b>Weight</b>	0.15 lbs. (0.07 Kg)
<b>Length</b>	8.5 in. (217 mm)
<b>Base Diameter</b>	1.2 in. (30 mm)
<b>Finish</b>	Black Plated
<b>Mounting</b>	Magnetic
<b>Polarization</b>	Vertical
<b>Operating Temperature</b>	-20° C to to 85° C (-4° F to 185° F)
<b>RoHS Compliant</b>	Yes

### Guaranteed Quality

This product is backed by Hyperlink's Limited Warranty.