



The ORiNOCO Range Extender Antenna is an indoor antenna designed to extend coverage and increase performance of ORiNOCO wireless LAN networks. The ORiNOCO Range Extender Antenna is especially useful in extending coverage when the integrated antennas of PC Cards are concealed or shielded. The Range Extender Antenna can be used with almost all of the ORiNOCO wireless networking infrastructure and client products, including Access Points and Servers. ORiNOCO—the freedom to build a wireless LAN anytime, anywhere and any way you want.

# ORiNOCO™ Range Extender Antenna

## Increase Wireless LAN Performance

### The cost-effective way to extend coverage

With its 2.5-dBi indoor omni directional antenna, the Range Extender Antenna extends the coverage of an ORiNOCO wireless LAN by connecting it to the ORiNOCO PC Cards on both client and infrastructure products. In large applications, the Range Extender Antenna cuts down the number of required access points, translating into significant cost savings.

### Extended range comes out of the closet

Access Points are often placed in closed wiring closets or mounted in difficult locations, with the PC Card obstructed by objects such as books, file cabinets or other office equipment. The Range Extender Antenna can overcome such obstacles by being placed at a location more receptive to radio signals.

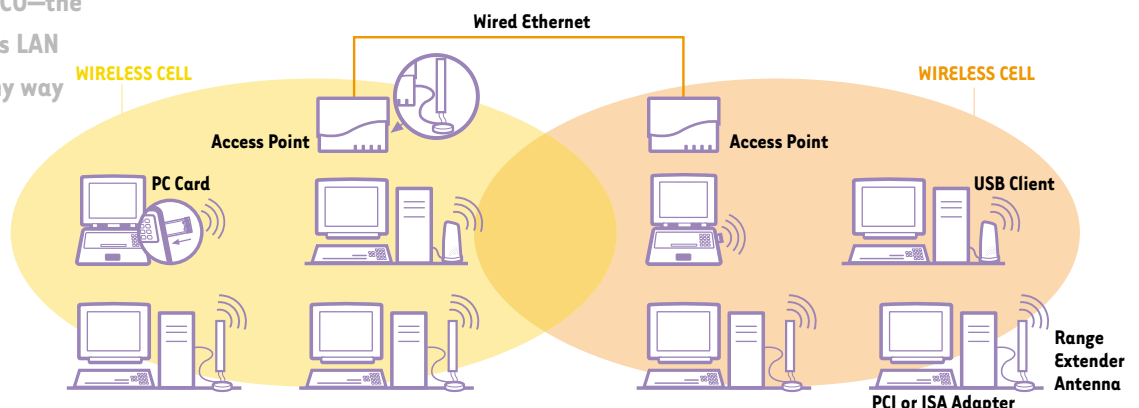
### Flexible mounting and installation for maximum performance

The Range Extender Antenna can be placed on a table surface or mounted on the ceiling or wall. Equipped with a standard 1.5-meter cable, mounting and installation options are extremely flexible.

The ORiNOCO Range Extender Antenna is part of the complete ORiNOCO product family of infrastructure and client products – all you need to get wireless Internet access up and running and have reliable shared Internet access throughout your home or business.

### ORiNOCO RANGE EXTENDER ANTENNA FEATURES

- Certified and compatible with all ORiNOCO PC Card-based products
- High performance 11 Mbit/s data rate
- Up to 100% range increase in open spaces; 30% in semi-open spaces when used on both access point and client side
- Industry-leading radio design
- Enhances roaming capabilities across disparate locations and infrastructures



## About Agere Systems

The Wireless Communications and Networking Division (WCND) of Agere Systems, formerly known as the microelectronics division of Lucent Technologies, is a global leader in wireless local area network (WLAN) technology. It designs and sells ORiNOCO wireless LAN products and solutions through a network of leading OEM customers. Agere Systems has also established WLAN sales channels to service providers, enterprise customers and end-users through several e-commerce sites and a vast array of value-added resellers. The ORiNOCO line of products encompasses a full range of indoor and outdoor WLAN products, as well as enhanced security products for public areas and security-conscious enterprises.



The Standard For  
Wireless Fidelity

Wi-Fi is a trademark of the Wireless Ethernet Compatibility Alliance, Inc.  
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More information on ORiNOCO products:  
[www.orinocowireless.com](http://www.orinocowireless.com)



## ORiNOCO Range Extender Antenna Specifications

### RADIO CHARACTERISTICS

Frequency Range	2400-2500 MHz	
Antenna Gain (refer note <sup>1</sup> )	2-3 dBi incl. the extension coaxial cable	
Antenna Type	Main Antenna: 2 element collinear AUX Antenna: 1/4 wavelength notch	
Range Increase (refer note <sup>2</sup> )	Open Office 50% (100%)	Semi-Open 15% (30%)

### PHYSICAL SPECIFICATIONS

Dimensions	230 x 25 x 8 mm	
Base Diameter	70mm	
Weight	150 gram	
Cable Length	1.5m	

### ENVIRONMENTAL SPECIFICATIONS

	Temperature	Humidity
Operating	0°C to 55°C	95% (non condensing)
Transit	-40°C to 60°C	15% to 95% (non condensing)
Storage	-10°C to 60°C	10% to 95% (non condensing)

### WARRANTY

1 Year

### PACKAGE CONTENTS

- Antenna (includes antenna foot and cable)
- Installation Flyer

### NOTE:

1. This number includes loss from the antenna cable and connector assembly.
2. The range of ORiNOCO products may vary according to the physical environment where the product is used. The performance increase is calculated as a proportional increase of the range as specified for ORiNOCO PC Card in typical office environments:
  - In "Open Office" environments antennas can "see" each other, i.e. there are no physical obstructions between the antennas.
  - In "Semi-open Office" environments, work space is divided by shoulder-height, hollow wall elements; antennas are at desktop level. The range increase values listed between brackets apply to situations where the Range Extender Antenna is installed on both ends of a wireless link.