

For Laptops And Portable Computing Devices

# ORiNOCO™ World PC Card

## Broadband Wireless Internet Access and Networking for Laptops and Portable Computing Devices



The ORiNOCO World PC Card links all your laptops and portable computing devices to any Wi-Fi compliant and ORiNOCO wireless LAN whether in an enterprise, public building or at home. Easy to install, the World PC Card gives you the convenience to work anytime, anywhere and any way you want.

### The right technology for the right solution

The ORiNOCO PC card can be used anywhere to connect to a wireless Ethernet network and is interoperable with any Wi-Fi compliant product. The card delivers high-speed wireless networking at 11 Mbit/s, operating in the 2.4 GHz unlicensed frequency. With superior radio receiver sensitivity (ears) and resilience to microwave interference, ORiNOCO has proven to be the best 802.11b radio in the industry—delivering unbeatable range and throughput performance.

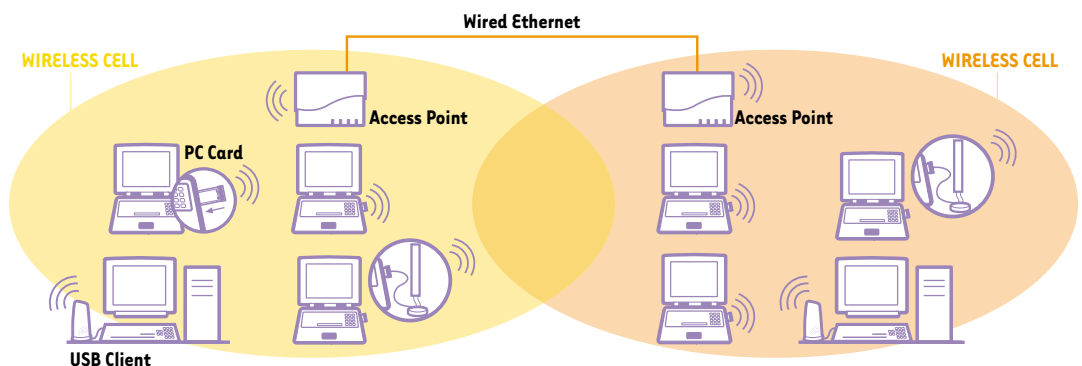
### Diverse levels of data protection and security

The ORiNOCO World PC Card is equipped with a choice of security levels to protect your data. The Silver PC Card delivers standard Wi-Fi compliant, Wired Equivalent Privacy (WEP) security, using a 64-bit key. The Gold PC Card offers enhanced security, with a 128-bit key, using RC4 encryption.

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

### ORiNOCO WORLD PC CARD FEATURES

- Plugs directly into laptop type-II PCMCIA slot
- Intuitive ORiNOCO Install Wizard for easy driver installation
- IEEE 802.11b (Wi-Fi) certified
- Low power consumption
- High performance 11 Mbit/s data rate.
- Wide coverage range of up to 1,750ft/550m
- Industry-leading radio design
- High-level security with full 128-bit key, RC4 encryption or 64-bit WEP encryption



**orinoco™**

## 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.  
Windows and Windows Me are registered trademarks of Microsoft Corporation.  
Ethernet is a registered trademark of Xerox.

More information on ORiNOCO products:

[www.orinocowireless.com](http://www.orinocowireless.com)

**agere** systems

## ORiNOCO World PC Card Specifications

### INTERFACE

PC Card, optional ISA and PCI adapters

### RADIO CHARACTERISTICS

Frequency Channels	2400 - 2483.5 MHz
Modulation Technique	Direct Sequence Spread Spectrum (CCK,DQPSK, DBPSK)
Spreading	11 - chip Barker Sequence
Media Access Protocol	CSMA/CA (Collision Avoidance) with ACK
Bit Error Rate (BER)	Better than 10 <sup>-5</sup>
Nominal Output Power	15 dBm
Power Consumption PC Card	Doze mode – 9 mA Receiver mode – 185 mA Transmit mode – 285 mA

### RANGE (METERS/FT)

	Mbit/s	5.5 Mbit/s	2 Mbit/s	1 Mbit/s
Open	160m (525 ft)	270m (885 ft)	400m (1300 ft)	550m (1750 ft)
Semi-open	50m (165 ft)	70m (230 ft)	90m (300 ft)	115m (375 ft)
Closed	25m (80ft)	35m (115 ft)	40m (130 ft)	50m (165 ft)
Receiver Sensitivity dBm	-82	-87	-91	-94
Delay Spread (at FER of <1%)	65ns	225ns	400ns	500ns

### PHYSICAL SPECIFICATIONS

Dimensions (H x W x L)	117.8 mm X 53.95 mm X 8.7 mm (PC Card)
Weight	55 gram

### ENVIRONMENTAL SPECIFICATIONS

Operating	0-55°C 95% max. humidity (non condensing)
Storage	-20-75°C 95% max. humidity (non condensing)

### POWER SUPPLY

Voltage	5VDC from host (+/-0.2V)
---------	--------------------------

### LEDs

2 LEDs:	Power Network Activity
---------	---------------------------

### OPERATING SYSTEMS

Novell Client 3.x & 4.x, Windows 95/98/2000, Me and Windows NT (NDIS Miniport driver); Apple Macintosh; Windows CE; Linux

### MTBF

150,000 hours based on workload, of 2040 hours/year (continuous operation), within operating conditions

### WARRANTY

3 years

### PACKAGE

PC Card, Getting Started Guide, Installation Software CD-ROM

### RELATED PRODUCTS

ISA Adapter to allow PC Card to be used in a PC's ISA slot. PCI Adapter to allow PC Card to be used in PC's PCI slot. Range Extender Antenna (2.5 dBi)