

EXPERIENCE THE FREEDOM OF WIRELESS NETWORKS
FOR DESKTOP PCs AND MOBILE COMPUTING DEVICES



ORiNOCO™ 11a/b/g PCI Card

Simple, convenient and secure Wireless LAN connectivity for every network

ORiNOCO 11a/b/g PCI Card delivers the highest performance solution for secure connections to 802.11a, 802.11b and 802.11g networks from a desktop or dedicated function computer. The 11a/b/g PCI Card provides wireless networking data rates of up to 55 Mbps in 802.11a mode and 108 Mbps in 2X mode. Throughput five to ten times higher than 802.11b speeds network response times and supports bandwidth-intensive applications.

Fully compliant with all 802.11 standards, the PCI Card supports a broad range of applications and host computer systems. The 11a/b/g PCI Card protects your network investment by allowing you to deploy and simultaneously support new higher speed 802.11a and g infrastructure within legacy 802.11b networks. The Card provides multiple security levels, with encryption up to 152-bit WEP and 802.1x authentication for enterprise-class security, and is shipped hardware-ready for upgrade to Wi-Fi Protected Access (WPA) security. The 11a/b/g PCI Card includes an external antenna which can be mounted in an optimal location. Software furnished with the card includes an easy-to-use utility for quick, simple connections.



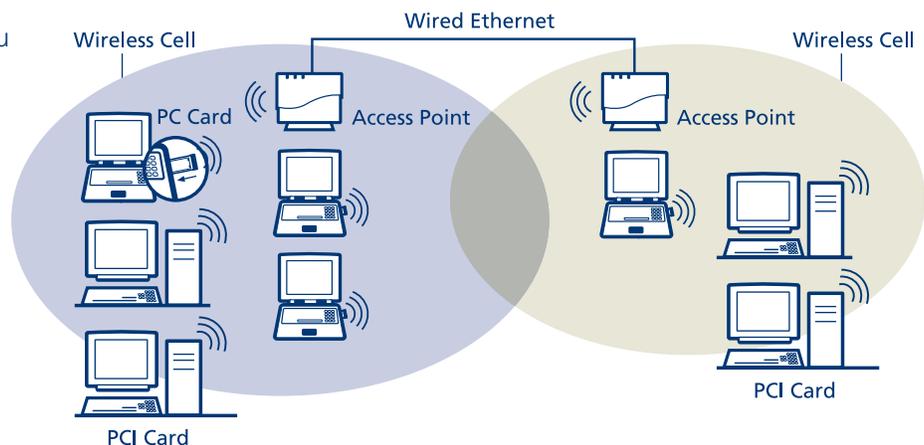
The ORiNOCO 11a/b/g PCI Card provides a three-in-one solution for connecting computers which have an available PCI slot to any 802.11 wireless network. The 11a/b/g PCI card is furnished with an external antenna and 1.5m cable to optimize the antenna placement for maximum signal strength when a computer is mounted under a desk, inside a rolling cart or for other difficult locations. With support for 802.11a, 802.11b and 802.11g networks, this solution works throughout your wireless enterprise. The 11a/b/g PCI Card is part of ORiNOCO's family of client and infrastructure products – everything you need to work anytime, anywhere and the way you want.

APPLICATIONS

- Business and government enterprises: upgrade desktop and special purpose computers to the latest 802.11 wireless standards.
- Hospital: Dedicated and mobile computers running bandwidth-intensive medical data and image files

FEATURES

- Plugs directly into PCI Card slot
- Intuitive client utility for easy, fast configuration
- Unlimited number of location profiles
- Seamless roaming between 802.11a/b/g networks
- Enterprise-class 802.1x security and multi-level WEP encryption
- Transmitter power control for optimal performance
- External antenna with 1.5m cable for optimal connections



ORiNOCO 11a/b/g PCI Card Specifications

INTERFACE

PCI Card (32-bit)

RADIO CHARACTERISTICS

Frequency	FCC (26 Channels) 2400-2484; 5150-5250; 5250-5350; 5725-5850 MHz ETSI (32 Channels) 2400-2484; 5150-5250; 5250-5350; 5470-5720 MHz TELEC (18 Channels) 2400-2484; 5150-5250 MHz IDA (22 Channels) 2400-2484; 5150-5250; 5725-5850 MHz
Modulation Techniques	802.11a, 802.11g Orthogonal Frequency Division Modulation (64 QAM, 16 QAM, QPSK, BPSK) 802.11b Direct Sequence Spread Spectrum (CCK, DQPSK, DBPSK)
Media Access Protocol	CSMA/CA (Collision Avoidance) with ACK
Maximum Output Power	802.11a, 802.11g: 60 mW EIRP 802.11b: 85 mW EIRP
Data Speeds (Automatic fallback for extended range)	802.11a, 802.11g modes: 54, 48, 36, 24, 18, 12, 9, 6 Mbps 802.11b mode: 11, 5.5, 2, 1 Mbps 2X mode: 108, 96, 72, 48, 36, 24, 18, 12 Mbps
Power Consumption	802.11a: Tx – 520 mA, Rx – 310 mA 802.11b, 802.11g: Tx – 600 mA, Rx – 330 mA

PHYSICAL SPECIFICATIONS

Dimensions | 72.4 mm X 118.8 mm X 13 mm (PCI Card)

ENVIRONMENTAL SPECIFICATIONS

	Temperature (Ambient)	Humidity
Operating	0 to 55° C	90% (non-condensing)
Storage	-10 to 75° C	95% (non-condensing)

CARD SPECIFICATIONS

PCI	32-bit interface
Power Supply Voltage	3.3 VDC from host (+/-0.2V)

OPERATING SYSTEMS

Windows 98 SE, 2000, Me, XP

SECURITY

802.1x support	EAP – TLS, TTLS, MD5, PEAP, LEAP
Gold	152/128/64-bit WEP for 802.11a, 128/64-bit WEP for 802.11b/g

WARRANTY

3 years

PACKAGE CONTENTS

- PCI Card
- Getting Started Guide
- CD-ROM with drivers, installation and configuration utility.

ORDERING INFORMATION

8482-WD	ORiNOCO 11a/b/g PCI Card Gold - World
8482-JP	ORiNOCO 11a/b/g PCI Card Gold - Japan

RELATED PRODUCTS

AP-4000
AP-2000, AP-2500
AP-600a, AP-600b, AP-600g
ORiNOCO 11a/b/g ComboCard, 11b/g PC Card, 11b PC Card, 11b USB Adapter, 11b PCI Adapter, 11b Ethernet Adapter