

For Laptops And Portable Computing Devices

# ORiNOCO® 802.11a/b ComboCard

Connect to any 802.11 wireless network  
anywhere with a single card.

## Simple, convenient 802.11a/b connectivity with a single card

Proxim's ORiNOCO ComboCard delivers the utmost in mobile convenience, allowing secure connections to both 802.11b and 802.11a networks from a single card. With the ORiNOCO ComboCard, users can move easily between 802.11 networks at home, in the office, and in public spaces such as a hotel or an airport lounge. The ComboCard operates in the unlicensed 2.4 GHz and 5 GHz bands, providing high-speed wireless networking with data rates up to 54 Mbps.

## Software that is simple, yet robust

Gold and Silver ComboCards include an easy-to-use installation and configuration utility allows users to connect quickly and simply. Set up and store up to 100 unique profiles to move between different locations. Create a profile for home, work, hot spots and hotels. Choose a network preference setting for 802.11b or 802.11a to ensure the best performance, and roam seamlessly between 802.11a and 802.11b networks in the same environment without disruption. The Gold card includes Boingo software to connect easily at public hot spots.

## Diverse levels of data protection and security

The ORiNOCO ComboCard delivers multiple security

levels that meet your application needs including various levels of encryption – up to 152-bit WEP and 802.1x authentication for enterprise-class security. The Gold card includes Proxim Harmony Security Protocol

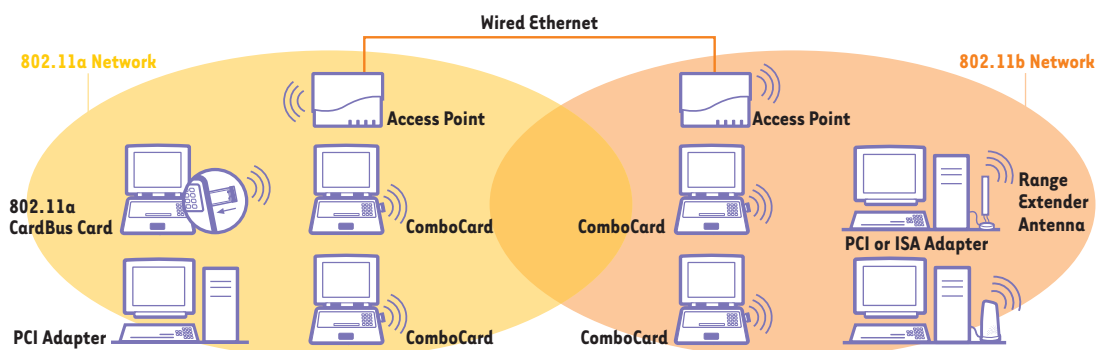
The ORiNOCO ComboCard is part of the complete ORiNOCO product family of infrastructure and client products – all you need to get a wireless network up and running and have reliable shared Internet access throughout your home or business.

## ORiNOCO COMBOCARD FEATURES

- Plugs directly into laptop CardBus Type-II slot
- Intuitive Installation Utility gets you connected quickly
- Set up and store up to 100 user profiles
- Seamless roaming between 802.11a and 802.11b networks
- User determined Network Preference for connectivity to the desired network
- Enterprise-class 802.1x security and multiple levels of WEP encryption (152-bit, 128-bit, 64-bit)
- Proxim Harmony Security Protocol support (Gold only)
- Boingo software included (Gold only)



The ORiNOCO ComboCard connects you to any 802.11a or 802.11b compliant LAN whether in an enterprise, public building or at home. Easy to install, the ComboCard gives you the convenience to work anytime, anywhere and any way you want.



**orinoco**®  
WIRELESS NETWORKS

## ORiNOCO 802.11a/b ComboCard Specifications

### INTERFACE

CardBus Card (32-bit) Type II PC Card

### RADIO CHARACTERISTICS

#### 802.11a

Frequency Bands	FCC, IC (13 Channels) 5150-5250; 5250-5350; 5725-5850 MHz ETSI (4 Channels) 5150-5250 MHz ETSI (8 Channels) 5150-5350 MHz TELEC (4 Channels) 5170-5230 MHz IDA (9 Channels) 5150-5250; 5725-5850 MHz
Modulation Technique	Offset Frequency Division Modulation (64 QAM, 16 QAM, QPSK, BPSK)
Media Access Protocol	CSMA/CA (Collision Avoidance) with ACK
Nominal Output Power	FCC, IC, IDA 100 mW EIRP ETSI 50 mW EIRP TELEC 170 mW EIRP
Power Consumption PC Card	Doze – 15 mA, Receive – 320 mA, Transmit – 560 mA
Data Rates (per channel, auto fallback for extended range)	54, 48, 36, 24, 18, 12, 9 Mbps Proxim 2X™ Mode: 108, 96, 72, 48, 36, 24, 18, 12 Mbps

#### 802.11b

Frequency Bands	2400 - 2484 MHz
Modulation Technique	Direct Sequence Spread Spectrum (CCK, DQPSK, DBPSK)
Media Access Protocol	CSMA/CA (Collision Avoidance) with ACK
Nominal Output Power	100 mW EIRP
Power Consumption PC Card	Doze – 15 mA, Receive – 341 mA, Transmit – 576 mA
Data Rates (per channel, auto fallback for extended range)	11, 5.5, 2, 1 Mbps

### PHYSICAL SPECIFICATIONS

Dimensions	117.8 mm X 53.95 mm X 5 mm (PC Card)
Weight	55 grams

### ENVIRONMENTAL SPECIFICATIONS

	Temperature	Humidity
Operating	0 to 70°C	95% (non condensing)
Storage	-65 to 150°C	95% (non condensing)

### PC CARD SPECIFICATIONS

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

### LEDs

2 LEDs:	Power Network Activity
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### OPERATING SYSTEMS

Windows 98 SE, 2000, ME, XP

### SECURITY

Gold, Silver	802.1x with support for EAP – TLS, EAP – TTLS and EAP – MD5 152/128/64-bit WEP for 802.11a, 128/64-bit WEP for 802.11b
Gold	Harmony Security Protocol 802.11a

### WARRANTY

3 years

### PACKAGE CONTENTS

- CardBus Card
- Getting Started Guide
- CD-ROM with drivers, installation and configuration utility, Boingo software and user's guide. (Gold only)

### ORDERING INFORMATION

8460	ORiNOCO Gold 802.11a/b ComboCard
8461	ORiNOCO Silver 802.11a/b ComboCard

More information on ORiNOCO products:

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

