ORiNOCO® 11a/b/g Combocard

Simple, convenient and secure Wireless LAN connectivity for every network

ORiNOCO ComboCard delivers the utmost in mobile convenience and performance, allowing secure connections to 802.11b, 802.11a and 802.11g networks from a single card. With the ORiNOCO ComboCard, you can move easily between 802.11 networks at work, home, and in public spaces. The ComboCard provides wireless networking data rates of up to 54 Mbps in 802.11 mode and 108 Mbps in 2X mode. The ComboCard provides throughput five to ten times higher than 802.11b-only products and supports bandwidth-intensive applications.
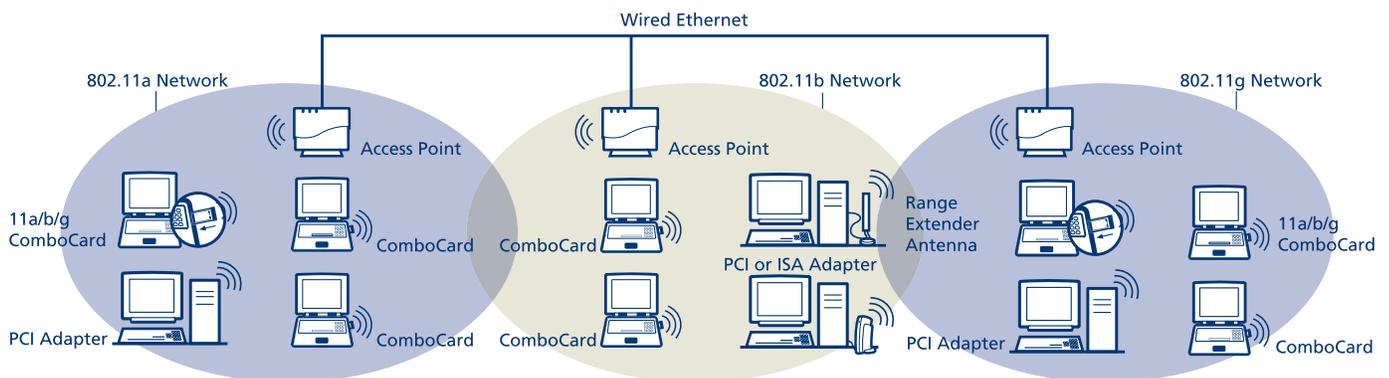
Fully compliant with all 802.11 standards, the ComboCard delivers proven high-performance for a broad range of applications and host computer systems. The 11a/b/g ComboCard protects your network investment by allowing you to deploy and simultaneously support new higher speed 802.11a and g infrastructure within legacy 802.11b networks. The ORiNOCO ComboCard provides multiple security levels, with encryption up to 152-bit WEP and 802.1x authentication for enterprise-class security. The ComboCard is shipped hardware-ready for upgrade to Wi-Fi Protected Access (WPA) security. Available in Gold and Silver versions, the ComboCards include an easy-to-use utility for quick, simple connection.

The ORiNOCO 11a/b/g ComboCard gives you the flexibility to connect to any 802.11 wireless network, via a single, convenient card. Just plug the 11a/b/g ComboCard into the Cardbus slot of your notebook computer and you have everything you need for maximum wireless productivity in an enterprise, public building or at home. The 11a/b/g ComboCard is part of ORiNOCO's family of client and infrastructure products – everything you need to work anytime, anywhere and the way you want.

APPLICATIONS
- Small/medium business, enterprises: improved productivity with mobile network, Internet, and email inside buildings, around campus
- Universities: flexible, immediate, mobile faculty and student connectivity in dorms, classrooms, offices
- Quick network build-out for new employees
- Hospital-wide transmission of bandwidth-intensive medical data and image files

FEATURES
- Plugs directly into CardBus Type-II slot
- Intuitive client utility for easy, fast configuration
- Unlimited number of location profiles (Gold only)
- Seamless roaming between 802.11a/b/g networks
- Enterprise-class 802.1x security and multi-level WEP encryption
- Transmitter power control for optimal performance (Gold only)

Wired Ethernet

802.11a Network — Access Point — 11a/b/g ComboCard — ComboCard — PCI Adapter — ComboCard

802.11b Network — Access Point — ComboCard — ComboCard — PCI or ISA Adapter

802.11g Network — Access Point — Range Extender Antenna — 11a/b/g ComboCard — PCI Adapter — ComboCard

proXim
WIRELESS NETWORKS

ORiNOCO 11a/b/g ComboCard Specifications

INTERFACE

CardBus Card (32-bit) Type II PC Card

RADIO CHARACTERISITICS

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	121.75 mm X 54.00 mm X 5 mm (PC Card)
Weight	55 grams

ENVIRONMENTAL SPECIFICATIONS

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

PC CARD SPECIFICATIONS

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

LEDS

2 LEDs:	Power Network Activity

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
Silver	128/64-bit WEP

WARRANTY

3 years

PACKAGE CONTENTS

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

ORDERING INFORMATION

8480-WD 8480-JP	ORiNOCO 11a/b/g ComboCard Gold - World ORiNOCO 11a/b/g ComboCard Gold - Japan
8481-WD 8481-JP	ORiNOCO 11a/b/g ComboCard Silver - World ORiNOCO 11a/b/g ComboCard Silver - Japan

RELATED PRODUCTS

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