



ORiNOCO 11b/g Client Card

ORiNOCO Wireless LAN

Proxim Wireless' industry-leading ORiNOCO® wireless LAN products deliver enterprise-class 802.11 a/b/g functionality, standards based networking, capacity, security and Quality of Service.

This portfolio includes:

- **ORiNOCO Client Products –**
Ultimate flexibility to connect to any Wi-Fi® network
- **ORiNOCO Access Points –**
Enterprise-class AP with QoS support and mesh capabilities
- **ORiNOCO Wi-Fi Mesh –**
Outdoor and indoor Wi-Fi mesh for service providers and municipalities

Proxim Wireless is a global pioneer in scalable broadband wireless networking. From Wi-Fi to wireless Gigabit Ethernet – our WLAN, mesh, point-to-multipoint and point-to-point products are available through our extensive global channel network.

Simple, Convenient and Secure Wireless LAN Connectivity for Every Network

Proxim's ORiNOCO 11b/g PC Card delivers the utmost mobile convenience and performance, so that you can move easily between 802.11 networks at work, home and in public spaces. Throughput five times higher than 802.11b speeds network response times and supports bandwidth-intensive applications.

Wi-Fi® certified, ORiNOCO 11 client products support WPA, WPA2 and 802.11e standards, delivering high-performance for a broad range of applications and host computer systems. Multiple security levels are provided with 802.1x authentications and WEP, TKIP and AES encryption. An easy-to-use utility is provided for quick, simple connections. The Transmit Power Control feature improves performance for high security and high interference environments. The PC Card includes a built-in connector for an external Range Extender Antenna which improves connection from a location where it is difficult to 'see' an Access Point.

Features

- Plugs directly into CardBus Type-II slot
- Intuitive client utility for easy, fast configuration
- Transmitter power control for optimal performance
- Connector for external Range Extender Antenna
- ROHS Compliant

Support for All Networks Protects Your Investment

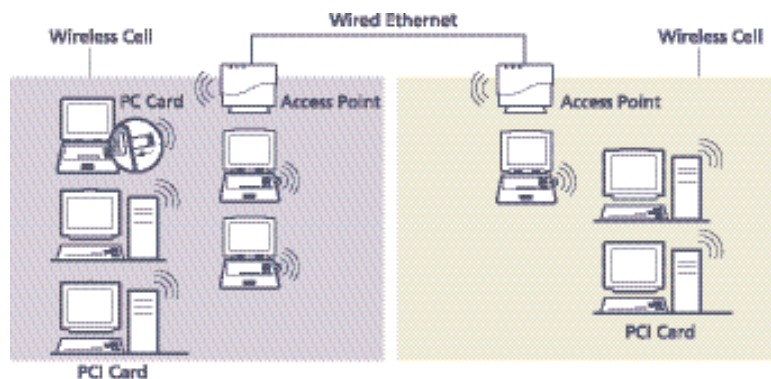
The ORiNOCO 11a/b/g Cards are fully compliant with all 802.11 standards and support a broad range of applications and host computer systems – completely protecting your network investment.

- Simultaneous support for 802.11g infrastructure within legacy 802.11b networks
- Seamless roaming between 802.11b/g networks

Highest Wi-Fi Security Standards

Like all ORiNOCO Wi-Fi solutions, the PC Card provides the most advanced multi-level, enterprise-class security capabilities.

- Enterprise-class 802.1x authentication
- WEP, TKIP and AES encryptions
- QoS support based on Wi-Fi Multimedia (WMM) specifications



ORiNOCO 11b/g PC Card Specifications

PRODUCT MODELS	
8470-FC	ORiNOCO 11b/g PC Card, Gold - FCC
8470-FC-M20	ORiNOCO 11b/g PC Card, FCC- 20 Pack
8470-WD	ORiNOCO 11b/g PC Card, Gold - World
8470-WD-M20	ORiNOCO 11b/g PC Card, World - 20 Pack
INTERFACE	
CARDBUS TYPE	CardBus Card (32-bit) Type-II PC Card
RADIO CHARACTERISTICS	
FREQUENCY	2400-2484 MHz
MODULATION TECHNIQUES	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	802.11g, 60mW, EIRP 802.11b: 80mW, EIRP
DATA SPEEDS (AUTOMATIC FALLBACK FOR EXTENDED RANGE)	802.11g modes: 54, 48, 36, 24, 18, 12 9, 6 Mbps 802.11b mode: 11, 5.5, 2, 1 Mbps
POWER CONSUMPTION	802.11b, 802.11g: Tx – 600 mA, Rx – 420 mA
PHYSICAL SPECS	
DIMENSIONS:	
PACKAGED	8.07 x 5.11 x 1.57 in (204.9 x 129.7 x 39.9 mm)
UNPACKAGED	4.79 x 2.13 x 0.2 in (121.75 x 54 x 5 mm)
WEIGHT:	
PACKAGED	7.04 oz (199.6 grams)
UNPACKAGED	1.94 oz (55 g)
ENVIRONMENTAL SPECS	
TEMPERATURE:	
OPERATING	0° to 55°C
STORAGE	-10° to 75°C
HUMIDITY:	
OPERATING	90% (non-condensing)
STORAGE	95% (non-condensing)
PC CARD SPECS	
TYPE II CARDBUS	32-bit interface
POWER SUPPLY VOLTAGE	3.3 VDC from host (+/-0.2V)
LEDS	
2 LEDS	Power, Network Activity
OPERATING SYSTEM	
802.1X SUPPORT	EAP-TLS, TTLS, MD5, PEAP, LEAP
ENCRYPTION	WEP, TKIP, AES
WARRANTY	1-year
PACKAGE CONTENTS	<ul style="list-style-type: none"> • CardBus Card • Getting Started Guide • CD-ROM with drivers, installation and configuration utility
RELATED PRODUCTS	AP-700, AP-4000, AP-4000M, AP-4000MR(-LR), AP-4900MR(-LR), ORiNOCO 11a/b/g ComboCard, 11 a/b/g PCI Card, 802.11 b/g USB Client Adapter, Range Extender Antenna

APPLICATIONS

- **Small/medium business, enterprises:**
Improved productivity with mobile network, Internet, email inside building, and around campuses
- **Universities:**
Flexible, immediate, mobile faculty and student connectivity in dorms, classrooms, offices
- **Healthcare:**
Hospital-wide transmission of bandwidth-intensive medical data and image files to mobile computing devices

For detailed technical specifications, please go to <http://www.proxim.com/products/wifi>

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