



ORiNOCO™ 11b PCI Adapter



ORiNOCO wireless technology is the freedom to build a wireless LAN in your home, small office or enterprise Anytime. Anywhere. And any way you want. The ORiNOCO 11b PCI Adapter simply sits in a free PCI slot. Once locked on the board, the 11b PCI Adapter forms a Wireless Network Interface Card (NIC). The 11b PCI Adapter extends wireless LAN access to desktop PCs and is compatible with all IEEE 802.11b compliant wireless LAN systems.

Incredibly easy to use

The ORiNOCO 11b PCI Adapter provides wireless LAN access for desktop computers equipped with an available PCI slot. The ORiNOCO 11b PCI Adapter is controlled by a single driver that makes it easy to install and easy to use. The ORiNOCO 11b PCI Adapter is supplied with an ORiNOCO PCMCIA Card.

Bus mastering guarantees optimal PCI Bus performance

The 11b PCI Adapter implements a DMA controller (Direct Memory Access) to optimize data transfer between computer memory and the 11b PCI Adapter. This implementation of Bus Mastering reduces PCI Busload from approximately 30% to approximately 6%.

“Wake on LAN” support

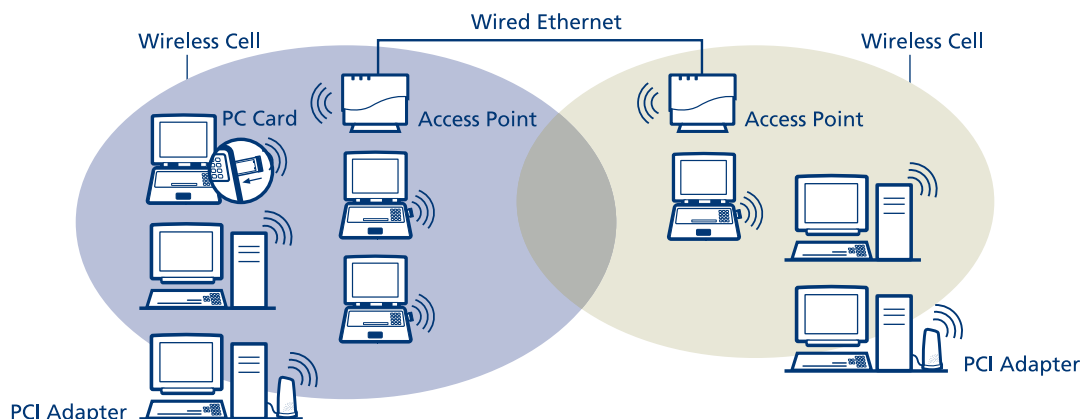
“Wake on LAN,” a desktop PC remote management feature, is supported. The 11b PCI Adapter can be set to constantly monitor the wireless LAN even when the desktop PC is switched off. The PC will boot up to enable remote management when the 11b PCI Adapter receives a “Magic Packet.”

PC Card lock

The 11b PCI Adapter is equipped with a lock to prevent the removal of the PC Card after installation, making it difficult to remove the PC Card without first having to open the PC.

ORiNOCO 11b PCI ADAPTER FEATURES

- 11b PCI Adapter seen as one device by the PC
- Single driver support for 11b PCI Adapter
- Bus Mastering (DMA) for optimal Bus performance
- Plug-and-Play functionality
- Support for PCI v2.2, 32-bit, 33 MHz Bus
- Works with 3.3V, 5V and 3.3/5V PCI v2.1 and v2.2 slots
- Based on QuickLogic QL5332 Programmable PCI Controller
- Confirms to IEEE802.11 and IEEE802.11b specification
- WHQL certification for Windows operating systems
- Meets requirements of PC 2001 System Design Guide
- Supports external antenna for improved signal in difficult locations



ORINOCO 11b PCI Adapter Specifications

About Proxim

Proxim Corporation is a leading manufacturer of high-performance wireless local area networking (WLAN) and wireless wide area networking (WWAN) products. Proxim's 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. Proxim sells its ORINOCO products and solutions to service providers, enterprise customers and end-users via a network of leading OEM partners, a vast array of value-added resellers, and several e-commerce sites.

RADIO CHARACTERISTICS				
Frequency	2400 – 2483.5 MHz			
Modulation Technique	Direct Sequence Spread Spectrum (CCK,DQPSK, DBPSK)			
Spreading	11 – chip Barker Sequence			
Media Access Protocol	CSMA/CA with ACK			
Bit Error Rate (BER)	Better than 10 ⁻⁵			
Nominal Output Power	15 dBm			
RANGE (METERS/FT)	11 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	141 x 92 mm			
Weight	69.5 g excluding PC Card 124.5 g including PC Card			
ENVIRONMENTAL SPECIFICATIONS	TEMPERATURE		HUMIDITY (NON CONDENSING)	
Operating	0°C – 55°C		95%	
Storage	-40°C – 80°C		95%	
ELECTRICAL SPECIFICATIONS				
Supply Voltage	3.3 V DC (+/-0.3 V) or 5 V DC (+/-0.25 V) from PCI bus			
Power Consumption PC Card	<1.8 W			
Wake up time for Wake-on-LAN	>10 ms			
Current (operational) 11b PCI Adapter with PC Card	<375 mA (from Vaux)			
Current (standby) 11b PCI Adapter with PC Card	Configured for Wake-on LAN < 375 mA (from aux) – D3cold < 375 mA (from Vcc) – D3hot		Not configured for Wake-on-LAN < 20 mA (from Vaux) – D3cold < 20 mA (from Vcc) – D3hot	
LEDs				
2 LEDs	Power Network Activity			
OPERATING SYSTEMS				
Windows XP, Windows 2000, including Windows 2000 SP1, Windows Millennium Edition (Me), Windows 98 and Windows 98 SE, Windows 95, Windows NT4, SP3, SP5 and SP6, Windows NT4 (with 3 rd party extensions for example Softwex DeskPower Controller), MS-DOS				
MTBF				
115,000 hours for PCI Adapter with PC Card, based on a workload of 8760 hours/year (continuous operation) within operating conditions. The card is guaranteed for a minimum of 100 insertions in a PCI slot.				
WARRANTY				
3 years				
PACKAGE CONTENTS				
<ul style="list-style-type: none"> • PC Card • Getting Started Guide • Installation Software CD-ROM 				
ORDERING INFORMATION				
8422 - ORINOCO World 11b PCI Adapter Gold				

Proxim Corporation	tel: 800.229.1630
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