ORiNOCO™ AP-2000
Access Point

Broadband Wireless Networking for the Enterprise

The ORiNOCO AP-2000 Access Point is a cost-effective, full-featured wireless bridge that extends the range of wired Ethernet networks. The ORiNOCO AP-2000 enables easy migration to 5 GHz, to protect your infrastructure investment. With full support to create wireless backbones, the AP-2000 delivers the freedom to expand and work more efficiently.

High performance Access Point

The high performance ORiNOCO AP-2000 extends the range of your cabled Ethernet network and provides easy network access for mobile users and in difficult to wire locations. Web-enabled and SNMP network management makes it easy to embed the AP-2000 in the comprehensive network management system of a large enterprise or service provider.

Protect your investment

The AP-2000 can easily migrate from 2.4 GHz to 5 GHz radio technology. This serves to protect infrastructure investment over the long-term. In addition, network capacity can be doubled by using two ORiNOCO Network Interface Cards, with each operating on different frequency channels to increase capacity.

Enhanced security

The AP-2000 utilizes the IEEE 802.1x security standard that authenticates the client and distributes the WEP key automatically. The AP-2000 also changes the key on a frequent basis, greatly reducing the risk of interception. IEEE 802.1x is an integrated part of the Windows XP operating system.

The AP-2000 architecture supports a wireless-to-wireless bridging feature for large open areas, like warehouses and retail stores, enabling enterprise networks to expand, without adding to the wired backbone.
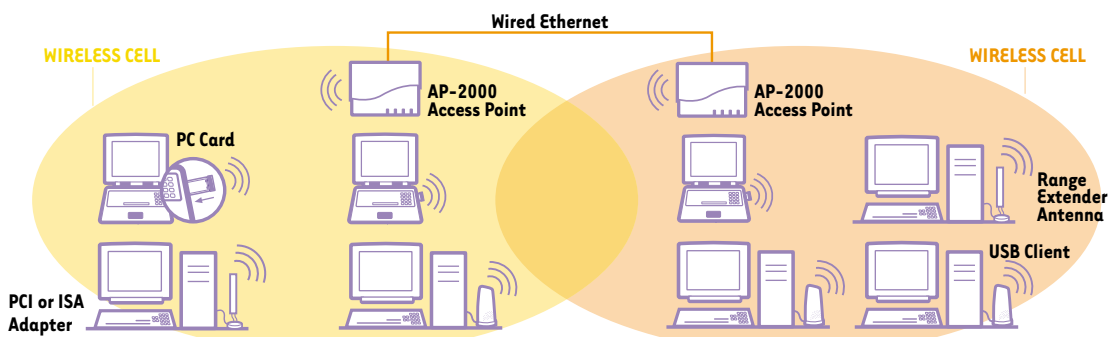
The AP-2000 Access Point is part of the complete ORiNOCO product family of infrastructure and client products—all you need to deliver wireless LAN functionality in your enterprise.

AP-2000 FEATURES

- Dual slot architecture for optimal configuration flexibility and migration to 5GHz radio technology
- High performance 11 Mbit/s data rate
- Wide coverage range of up to 1,750ft/550 m
- Industry-leading radio design
- IEEE 802.11b (Wi-Fi) certified
- 64-bit WEP and 128-bit RC4 encryption and MAC Address Control Table and RADIUS authentication
- IEEE 802.1x for enhanced security of the Wi-Fi system with certificate authentication and automatic WEP key distribution
- Web-based, full SNMP management, with embedded Telnet/CLI support
- Powerful performance for the most demanding network applications, ready for the high speeds of future radio technology
- Optional Active Ethernet for lower installation cost
- Enhanced roaming across disparate locations and infrastructures

Wired Ethernet

WIRELESS CELL

WIRELESS CELL

AP-2000 Access Point

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PC Card

Range Extender Antenna

USB Client

PCI or ISA Adapter

orinoco™

About Agere Systems

The Wireless Communications and Networking Division (WCND) of Agere Systems, formerly known as the microelectronics division of Lucent Technologies, is a global leader in wireless local area network (WLAN) technology. It designs and sells ORiNOCO wireless LAN products and solutions through a network of leading OEM customers. Agere Systems has also established WLAN sales channels to service providers, enterprise customers and end-users through several e-commerce sites and a vast array of value-added resellers. The 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.

More information on ORiNOCO products:
www.orinocowireless.com

ORiNOCO AP-2000 Specifications

ADDITIONAL FEATURES

- 5GHz migration platform
- Extended MIBs and traps
- TFTP kernel upload
- Access Control Table and RADIUS authentication
- Link Integrity
- Static MAC filtering
- Protocol filtering
- DHCP support (client and server)
- Telnet/CLI (embedded in the box)
- Wireless Distribution System
- SpectraLInk VoIP support
- 802.1x support (auto key management, certificate authentication)
- Load balancing
- Spanning Tree Protocol
- Multicast/broadcast storm filtering

INTERFACE

Ethernet Interface	10/100 base-T Ethernet (RJ-45)
Wireless Interface	2 CardBus slots for radio NIC
RS-232	Unit configuration

HARDWARE SPECIFICATION

Processor	Intel SA110 – 233MHz
Memory	16 MB SDRAM 8 MB Flash
Local Bus	66 MHz, 32 bit, 264 Mbit/s peak
Ethernet controller	National DP83851 MacPhyter, providing hardware Ethernet filter

PHYSICAL SPECIFICATIONS

Dimensions	50 mm x 185 mm x 261 mm (2.0 in. x 7.3 in. x 10.2 in.)
Weight	1.75 kg (3.86 lb.)

ENVIRONMENTAL SPECIFICATIONS

	Temperature	Humidity	Pressure
Operating	0°C to 40°C	95% (non-condensing)	740 – 1050 hPa
Storage	-10°C to 50°C	95% (non-condensing)	

POWER SUPPLY

Types	Integrated module Autosensing 100/240 VAC; 50/60 Hz
Voltage	0.2 A

MECHANICAL SPECIFICATION

- Modular design
- Plastic cover
- Metal mounting plate that allows for placement on a wall, ceiling or table

LEDs

4 LEDs:	Power Ethernet LAN Activity Wireless Activity Slot A Wireless Activity Slot B

MANAGEMENT

- Full SNMP management
- ORiNOCO MIB, Etherlike MIB, MIB-11, Bridge MIB
- Telnet CLI, Serial Port CLI (no proxy required)
- ORiNOCO Manager (not included)
- Standard & ORiNOCO traps
- TFTP support
- HTTP server for web-based management
- Remote link test

WARRANTY

1 year (on parts and labor)

PACKAGE CONTENTS

- AP-2000 Access Point
- Mounting plate
- Power supply (or splitter in case of the AE version)
- Processor module
- Plastic cover
- Power cord
- Quick Installation Guide
- Mounting materials
- CD-ROM with software and documentation

RELATED PRODUCTS

Range Extender Antenna (2.5 dBi), ORiNOCO USB Client, ORiNOCO PC Card, ORiNOCO Active Ethernet

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