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
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.

ORiNOCO AP-2000 Specifications

**ADDITIONAL FEATURES**
- 5GHz migration platform
- Extended MBs 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
  - Operating: 0°C to 40°C
  - Storage: -10°C to 50°C
- Humidity
  - 95% (non-condensing)
- Pressure
  - 740 – 1050 hPa

**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