ORiNOCO™ AP-1000 Access Point

Broadband Wireless Networking for the Enterprise

The right technology for the right solution
The ORiNOCO AP-1000 extends the range of your cabled Ethernet network and provides easy network access to mobile users and in difficult to wire locations. The unique architecture features dual PC card slots and delivers high-performance 10/100 Mbit/s Ethernet support.

The flexible cost-effective solution
Dual PC card slots provide unprecedented configuration flexibility. In addition, network capacity can be doubled by using two ORiNOCO Network Interface Cards, with each operating on different frequency channels. The AP-1000 architecture supports a wireless-to-wireless bridging feature for large open areas, like warehouses and retail stores, enabling your enterprise to extend its wireless network without expanding the wired backbone.

The AP-1000 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-1000 FEATURES
- Dual slot architecture for optimal configuration flexibility
- High performance 11 Mbit/s data rate
- Wide coverage range of up to 1,750 ft/550 m
- Industry-leading radio design
- IEEE 802.11b (Wi-Fi) certified
- High-level security with full 128-bit RC4 data encryption or 64-bit WEP encryption and RADIUS-based access control
- Windows-based SNMP compliant ORiNOCO AP Manager makes it easy to configure, centrally manage, control and remotely manage your enterprise-wide ORiNOCO network
- Load balancing, evenly distributing the connected clients over available Access Points
- Powerful performance for the most demanding network applications
- Optional Active Ethernet
- 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-1000 Specifications

**ADDITIONAL FEATURES**
- Dual PC Card slot architecture
- Wireless to wireless bridging
- 10/100 Mb Ethernet Support
- IEEE 802.1d (Wi-Fi) compliant
- Spanning Tree Algorithm
- IEEE 802.1d Transparent Bridging
- Selective Protocol filtering
- Access control Table and RADIUS based authentication
- DHCP and BOOTP
- Multi channel support
- Roaming Support
- RC4 based encryption support

**INTERFACE**
- Ethernet: Ethernet 802.3
  - 10/100 Base-T (RJ 45 Connector)
- Wireless: 2 CardBus slots for radio NIC
- RS-232: Unit configuration

**PHYSICAL SPECIFICATIONS**
- Dimensions: 261 mm x 185 mm x 50 mm
- Weight: 1.75 kg (3.86 lb.)

**ENVIRONMENTAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Type</th>
<th>Temperature</th>
<th>Humidity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating</td>
<td>0°C to + 40°C</td>
<td>20-80% (non condensing)</td>
</tr>
<tr>
<td>Storage</td>
<td>-10°C to 60°C</td>
<td>10-90% (non condensing)</td>
</tr>
</tbody>
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**POWER SUPPLY**
- Types: External wall plug-in unit
- Auto sensing
- Ready for Active Ethernet (Power over Ethernet)
- Voltage: 100/240 VAC 47-63 Hz, 9V/1.1 A

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

**OPERATING SYSTEMS**
Windows 95, 98, 98SE, Millennium Edition and 2000

**MTBF**
- 150,000 hours (without wireless card)
- 75,000 hours (with wireless card)
- 50,000 hours (with two wireless cards) based on workload of 8760 hours/year (continuous operation), within operating conditions

**WARRANTY**
1 year (on parts and labor)

**PACKAGE CONTENTS**
- AP-1000 unit
- Mounting plate
- Processor module
- Slot protector guard
- Plastic cover plate
- Power adapter
- Getting Started Guide
- CD-ROM

**RELATED PRODUCTS**
- Range Extender Antenna (2.5 dBi), ORiNOCO PC Card, ORiNOCO Active Ethernet