

EXPERIENCE THE FREEDOM OF WIRELESS NETWORKS FOR THE ENTERPRISE



## ORiNOCO® AP-2000 5GHz Kit Access Point Family

### Upgrade Your Dual-Mode WLAN Infrastructure to Higher Speeds: from 11 Mbps to 54 Mbps in the 5GHz band

The ORiNOCO AP-2000 5GHz Kit gives you the flexibility to operate your wireless network on either the Wi-Fi 2.4 GHz (11 Mbps) or 5GHz (54 Mbps) frequency, utilizing its dual-mode architecture. Protecting your infrastructure investment, it provides full support for your existing 802.11a client devices. The Kit can also work alongside the AP-2000 11g Kit, providing support for 11a, 11b and 11g clients simultaneously.

The 54-Mbps technology gives you the ability to run more “bandwidth hungry” applications, with faster response times. As a less-used band, it requires less bandwidth sharing, resulting in higher throughput. In addition, with more available radio channels, higher capacity systems can support more simultaneous users.

The 5GHz Kit includes a customized antenna for 5GHz transmission, delivering increased performance and range. The AP-2000 dual-mode architecture enables you to create simultaneous mixed frequency and mixed throughput networks to accommodate a mixture of client devices for various applications. The AP-2000 platform, with its 233MHz StrongArm 110 processor, can simultaneously support the new 54 Mbps 5GHz technology, along with 11 Mbps Wi-Fi technology, and is ready for the new 802.11g technology.

The ORiNOCO AP-2000 5GHz Kit protects your infrastructure investment by easily upgrading the AP-2000 Access Point so you can serve client devices using 5GHz PC Cards. The Kit enables intuitive, easy migration to a more powerful radio that allows higher data rate and LAN throughput. The AP-2000 5GHz Kit is part of ORiNOCO's family of infrastructure and client products – everything you need for wireless networking throughout your enterprise or public hotspot.

#### APPLICATIONS

- Large Enterprises: improve efficiency by providing wireless network access for staff and a separate guest services network
- Large Public Hotspots: accommodate customers utilizing mixed-bandwidth client devices
- Hospitals: enable location-wide transmission of bandwidth-intensive medical data and image files

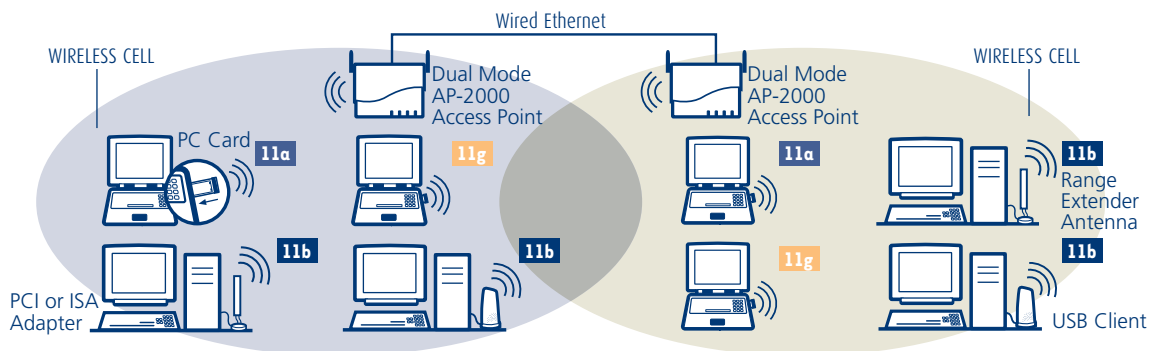
#### FEATURES

##### ORiNOCO AP-2000 5GHz Kit

- Easy upgrade using dual-mode architecture for AP-2000 users to 5GHz
- Simultaneous support for 802.11b Wi-Fi clients, 802.11g clients and 802.11a clients

##### AP-2000

- 802.1x support with re-key mechanism
- Wireless Distribution System support (on the Wi-Fi link)
- Broad management capabilities (SNMP, TFTP, HTTP, Telnet)



Supporting 11g and 11a clients requires the AP-2000 11g Kit and the AP-2000 5GHz Kit with the AP-2000

## 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.

## ORiNOCO AP-2000 5GHz Kit Specifications

### FREQUENCY

Bands	FCC UNII (8 Channels) 5150-5350 MHz (5.18, 5.2, 5.22, 5.24, 5.26, 5.28, 5.3, 5.32 GHz) TELECOM-Japan (4 Channels) 5170, 5190, 5210, 5230 MHz
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### MEDIA ACCESS PROTOCOL

CSMA/CA (Collision Avoidance) with ACK

### INTERFACE

CardBus

### RANGE

Semi Open Office	15m 120m	54 Mbit 6 Mbit
Open Environment	40m 400m	54 Mbit 6 Mbits

### MAXIMUM OUTPUT POWER

17 dBm

### RECEIVER SENSITIVITY

From -85 dBm at 6 Mbit/s to -65 dBm at 54 Mbit/s

### DELAY SPREAD ROBUSTNESS

>160 nsec

### ANTENNA

Two integral omni directional 5 dBi antennas with diversity 0-180 degrees articulation

### DATA RATES

IEEE 802.11a compliant 54, 48, 36, 24, 18, 12, 6 Mbps with automatic fall back

### WIRELESS MEDIUM

Orthogonal Frequency Division Multiplexing (OFDM)

### MODULATION TECHNIQUE

Orthogonal Frequency Division Multiplexing (OFDM)  
64 QAM, 16QAM, QPSK, BPSK With rate fallback

### COMPLIANCE

United States	FCC,UL,
Japan	VCCI, Telec,JATE
Canada	Industry Canada
Europe	ETS

### POWER CONSUMPTION

Maximum Power at 3.3V nominal 1.8W (545 mA)

### TEMPERATURE RANGE

0°C - 70 °C; 95% max humidity (non condensing)

### WARRANTY

1 year

### RELATED PRODUCTS

AP-2000, AP-2000 5GHz Kit, PC Card, Extended Antenna

### ORDERING INFO

8800-FC	ORI AP-2000 11G KIT FCC
8800-ET	ORI AP-2000 11G KIT ETS
8800-JP	ORI AP-2000 11G KIT MKK

