



ORiNOCO AP-600

Access Point



Applications

- **Small, medium and large corporations:** mobile access to improve employee, contractor and customer efficiency
- **Universities:** flexible, immediate, mobile faculty and student connectivity in dorms, classrooms, libraries and campus quads
- **Hospitals and medical clinics:** real-time information, system wide for better patient care and reduced errors
- **Local, state and federal agencies:** fast access to information to serve constituencies better
- **Large public hotspots:** robust, secure, Wi-Fi connectivity for airports, convention centers, hotels

Affordable Feature-Rich Access Point for the Enterprise

The ORiNOCO AP-600 balances enterprise-class security and management features with a moderate price point - and either 802.11b, 802.11a or 802.11b/g mode operation. The AP-600 is a perfect entry-level unit for enterprises that are operating a single protocol network or a mixed 11b and 11g network.

- Robust features for enterprise, public access – compared to consumer grade APs
- Support for multiple security measures
- Plenum rating and other important safety features
- External antenna connectors for flexible deployment

Proactive Security Measures to Protect Your Network

ORiNOCO access points support the latest security standards, such as Wi-Fi Protected Access (WPA), while adding proactive security measures.

- Certified WPA for IEEE 802.1X mutual authentication
- Dynamic per-user, per-session rotating keys
- Rogue access point detection and notification
- Secure management interfaces: SNMPv3 and SSL
- Fully software upgradeable to AES and 802.11i*
- Intra-cell blocking to prevent client-to-client snooping

Easy to Deploy and Manage

Ease of deployment and integration with the wired network are critical factors in a successful, profitable

wireless LAN rollout. ORiNOCO access points excel with key capabilities that simplify WLAN deployment.

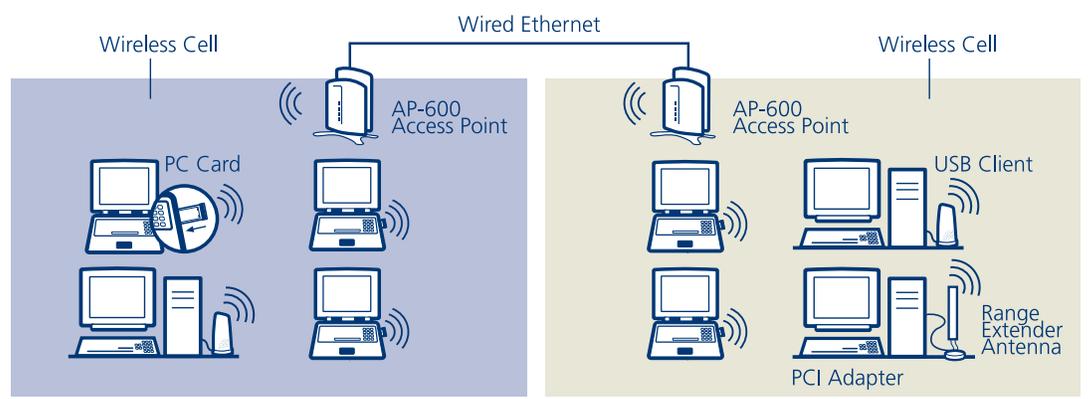
- Tools to speed installation and optimization: automatic channel selection, adjustable transmit power, external antenna connectors
- Wireless repeating Wi-Fi in areas without Ethernet wiring
- Remote management via SNMP, HTTP and Telnet
- Extensive RADIUS accounting support
- Powerful group configuration, software updates and automatic alerts via Wavelink Mobile Manager

Reliable by Design

With over 10 years of experience in the design and manufacture of wireless LANs, Proxim understands that service providers and enterprises require the same uptime and reliability in a wireless network as in a wired network. ORiNOCO access points offer:

- Robust features for enterprise, public access – compared to consumer grade APs
- Automatic reconfiguration of security policy in the event of power loss
- Dual firmware image support – for rollback in the event of software or configuration change problems
- IEEE 802.3af Power-over-Ethernet, plenum rating, built-in Kensington lock and external antenna connectors*

*Not available on all models



ORiNOCO AP-600 Specifications

ADDITIONAL FEATURES	DESCRIPTION
Field upgradeable	Software and hardware upgradeable to support new standards
Wi-Fi Protected Access (WPA) including 802.1X and dynamic TKIP encryption	Highest authentication and encryption methods including mutual authentication, message integrity check (MIC), per-packet keys initialization vector hashing and broadcast key rotation
Software upgradeable to AES and 802.11i	Investment protection for compatibility with next industry standard security specification ¹
Rogue AP Detection	Detects, alerts and stops unauthorized rogue Access Points ²
Secure Management Interfaces	SNMPv3 and SSL protect against unauthorized AP changes via the management interface
Multiple VLAN Support	Up to 16 separate VLANs per radio
Auto configuration via DHCP	Ensures new APs automatically receive correct configuration and prevents security vulnerabilities with deliberate resets
Central management and configuration	Allows centralized management of AP settings including group updates of firmware ²
Dual Image Support	Dual Image Support: Guarantees new AP configuration file is valid before deleting current image
Quality of Service	Allows simultaneous data and Voice over WLAN solutions from Spectralink
Load Balancing	Redirects 802.11b clients to less busy APs based on actual throughput ³
Transmit Power Control	Supports settable transmit power levels to adjust coverage cell size ⁴
Automatic Channel Selection	Simplifies installation by choosing best possible channel upon installation
Designed for Public Access	Extensive RADIUS Accounting support as well as intra-cell blocking to prevent client-to-client snooping
Repeating (Wireless Distribution System)	Allows extension of wireless LAN to areas without Ethernet wiring (parking lots, long corridors, etc) for 802.11b, 802.11g and 802.11a
Advanced Filtering Capabilities	IEEE 802.1d bridging with static MAC address filtering, network protocol filtering, Proxy ARP, multicast/broadcast storm threshold filtering, TCP/UDP port filtering, intra-cell traffic filtering, and Spanning Tree support
Active Ethernet and AC Power	Decreases installation costs up to \$1000 per AP when Power over Ethernet is available.
Diversity 2.4 and 5 GHz antennas	Delivers best performance in high multipath environments
External antenna connectors	Allows use of shaped and higher gain antennas to design for most efficient AP placement
Plenum rated	Meets safety and insurance requirements when installed into air spaces
Wi-Fi Certified	Industry certification guarantees interoperability with other Wi-Fi certified clients

HARDWARE SPECIFICATION

Processor	Motorola 8241 – 166MHz
Memory	16 MB SDRAM 8 MB Flash

INTERFACE

Ethernet Interface	10/100 base-T Ethernet (RJ-45)
Wireless Interface	internal mPCI radio
RS-232	9 pin D-Shell female (unit configuration)
External Antenna Connector (for 802.11b and g units)	proprietary

PHYSICAL SPECIFICATIONS

Dimensions unit (H x W x L)	215 mm x 175 mm x 40 mm (8.46 in. x 6.89 in. x 1.57 in.)
Weight (w/o base)	0.68 kg (1.5 lb.)

ENVIRONMENTAL SPECIFICATIONS

	Temperature	Humidity
Operating	0°C - 55°C	max 95% rel. humidity non-condensing)
Storage	-20°C - 75°C	max 95% rel. humidity (non-condensing)

POWER SUPPLY

wall unit; autosensing 100/240 VAC; 50/60 Hz
All units also support IEEE 802.3af Power over Ethernet (Active Ethernet)

LEDS

3 LEDs	Power Ethernet LAN Activity Wireless Activity
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MANAGEMENT

- SNMPv1, SNMPv2c and secure SNMPv3 management
- Standard & ORiNOCO traps
 - ORiNOCO MIB, Etherlike MIB, 802.11 MIB, Bridge MIB, MIB-II
 - TFTP support
 - Telnet CLI, Serial Port CLI (no proxy required)
 - HTTPS (SSL) server for secure web-based management
 - WaveLink Mobile Manager for group management (not included)
 - Remote link test
 - Syslog
 - DHCP Server and Client

WARRANTY

1 year parts and labor

PACKAGE CONTENTS

AP-600b, AP-600g or AP-600a; Power supply; Software documentation

RELATED PRODUCTS

ORiNOCO 11a/b/g ComboCard, Range Extender Antenna



¹ AP-600b/g or any model AP-600 upgraded with 11a/b/g Upgrade Kit

² In conjunction with WaveLink Mobile Manager

³ For 802.11g and 802.11a

⁴ For Agere-based 802.11b clients only