

EXPERIENCE THE FREEDOM OF WIRELESS NETWORKS
FOR THE SMALL AND MEDIUM ENTERPRISE



ORiNOCO® AP-600



Single-Radio Enterprise-Class Access Point Family at a Small Business Price

The ORiNOCO AP-600 is a feature-rich Wi-Fi compliant Access Point solution that provides all the features and functionality of a high-end enterprise solution without the high-end enterprise price tag. The AP-600a (802.11a), the AP-600g (802.11g) and the AP-600b (802.11b) are single radio access points that provide highly secure 802.1x-based WLAN security with auto key management, using an efficient encryption key rotation scheme. For small and medium businesses, the AP-600 offers Radius-based access control, and all the performance and security and management features of enterprise-class solutions. The broad set of management options includes management via a web browser, delivering the flexibility and freedom of anytime, anywhere remote management.

The ORiNOCO AP-600 Access Point family is the Wi-Fi compliant, single-radio Access Point available in every radio standard: 802.11b, 802.11a and 802.11g. A low-cost, yet full-featured, wireless bridge, enables any organization to quickly set-up a new local area network with the versatility and mobility of wireless technology. Part of the broad ORiNOCO family of infrastructure and client products, the AP-600 is easy to install and simple to manage, providing maximum security and flexibility to mobile users and network managers.

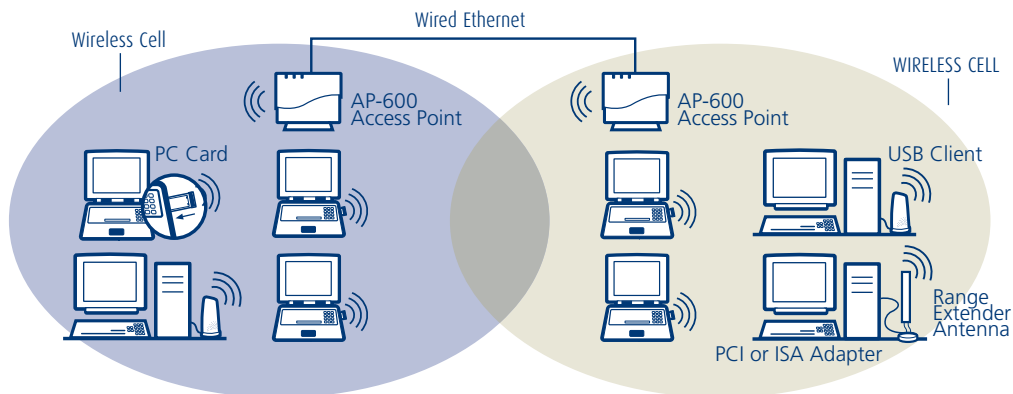
Highly scalable and equipped with advanced processing power to support additional features in the future, the AP-600 family offers the best protection for your investment. It also provides a straightforward, cost-effective migration path to 802.11g (using the AP-600 11g Kit, which allows an easy, cost-effective field upgrade of the AP-600b to an AP-600g), and to the future 802.11i standard.

APPLICATIONS

- Small and medium businesses
- K-12 educational institutions and non-profit organizations that require maximum mobility on a limited budget

FEATURES

- Enterprise-class functionality for small business price
- Single radio, upgradeable to future standards
- Available in all 802.11 standards
- Field upgradeable for 802.11b to 802.11g
- 802.11g is backward compatible with 802.11b, supporting 802.11b and 802.11g clients
- Active Ethernet and support for 802.3af Power-over-Ethernet reduce installation cost



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-600 Specifications

ADDITIONAL FEATURES

- 802.1d bridge
- EAP-TLS, EAP-MD5, EAP-TTLS
- Access control table and RADIUS Access Control implementation
- MIB-II, bridge MIB, ORiNOCO MIB, Etherlike MIB
- Telnet/CLI (embedded in the box)
- HTTP server for web-based management
- Remote link test
- SpectraLink VoIP
- Load balancing (.11b only)
- Spanning tree protocol
- Multicast/broadcast storm filtering
- ICMP (ping)
- AP density setting for capacity optimization (incl. Ultra High Density) (.11b only)
- Packet forwarding to specified MAC address
- Radius session time out
- Syslog
- 802.11a 2X mode (when allowed in region)
- 802.1x support (auto key management, user-based authentication)
- Auto key rotation
- SNMPv2c
- Extended MIBs and traps
- Management
- TFTP kernel and configuration upload
- Support for Wireless Network Manager
- Wireless Distribution System (.11b only)
- Link Integrity
- Static MAC filtering
- Protocol filtering
- DHCP support (client and server)
- Remote link test (.11b only)
- Automatic Channel Selection
- Blocking of intra-cell traffic
- Radius accounting start/stop
- Radius authentication attributes (per RFC 2865)
- 802.1x per-user-per-session encryption (.11a only)
- 802.11a support for Europe (DFS)

HARDWARE SPECIFICATION

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

MECHANICAL SPECIFICATION

metal processing unit	mechanical lock	plastic cover, including wall mount facility
reset/reload switch	foot for table or ceiling mount	

INTERFACE

Ethernet Interface	10/100 base-T Ethernet (RJ-45)
Wireless Interface	1 internal mPCI slot for radio NIC
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

Operating	0°C - 55°C	
	max 95% rel. humidity (non-condensing)	740 – 1050 hPa barometric pressure
Storage	-20°C - 75°C	max 95% rel. humidity (non-condensing)

POWER SUPPLY

wall unit output 12V DC 1.5A	autosensing 100/240 VAC; 50/60 Hz Active Ethernet (PoE) (802.3af)
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RADIO

embedded mPCI module antenna	802.11a, 802.11b or 802.11g	see client data sheet for radio specifications
	embedded omni directional antenna set; external antenna connectors of AP-600 b/g	

COMPLIANCE

US	FCC, UL
Canada	Industry Canada
Europe	ETS
Japan	VCCI, Telec, JATE

Plenum rated (UL 2043) without plastic cover

RELATED PRODUCTS

AP-600 11g Kit, PC Card 802.11a, 802.11b, Combo Card and 802.11g Client CardBus

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