



ORiNOCO AP-700

For Mobile Enterprise Applications



APPLICATIONS

- **Small and medium 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
- **Public hotspots**
Robust, secure, Wi-Fi connectivity for airports, convention centers, hotels

Next-Generation Access Point Brings QoS and Performance to Mid-Size Enterprises

The ORiNOCO AP-700 balances enterprise-scale security, management and Quality of Service features with a moderate price point – and either 802.11a or 802.11b/g mode operation. The new, high-performance AP-700 is the entry-level solution in next-generation line of access points supporting enterprise voice and video applications. The AP-700 is perfect for mid-size production Wi-Fi networks.

- Industry-leading performance with new Super Mode
- New level of intelligent rogue access point and client detection
- Sophisticated hotspot interfaces with Radius integration
- Pre-standard IEEE 802.11e quality of service support for latency-sensitive applications
- Plenum rating and other important safety features

Proactive Security Measures to Protect Your Network

ORiNOCO access points support the latest security standards, including IEEE 802.11i and AES encryption, and add proactive security measures.

- IEEE 802.1X mutual authentication
- Dynamic per-user, per-session rotating keys
- Rogue access point detection, notification
- Secure management interfaces: SNMPv3, SSL and SSH
- Intra-cell blocking to prevent client-to-client snooping

Easy to Deploy and Manage

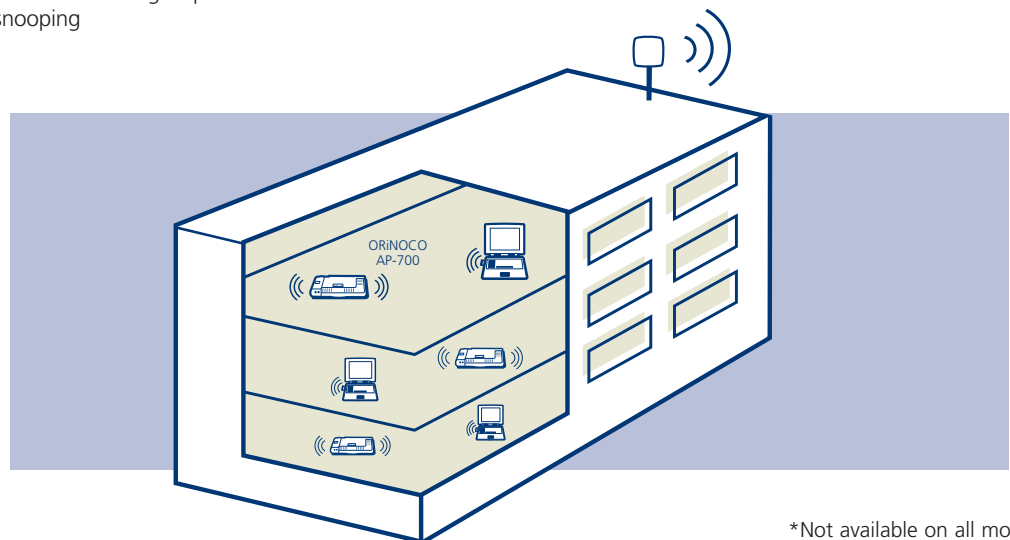
Ease of deployment and integration with the wired network are critical factors in a successful, profitable wireless LAN rollout. ORiNOCO access points excel with key capabilities that simplify WLAN deployment.

- Tools to speed installation and optimization: automatic channel selection, adjustable transmit power, external antenna connectors
- Wireless repeating functionality 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, 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 config 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-700 Specifications

ADDITIONAL FEATURES

| | |
|---|---|
| 802.11b, 802.11g and 802.11a support | User-selectable 802.11b/g or 802.11a operation |
| Field upgradeable | Software upgradeable to support new standards |
| IEEE 802.11i and AES | Highest authentication and encryption methods including mutual authentication, message integrity check (MIC), per-packet keys initialization vector hashing and broadcast key rotation |
| Rogue AP and Client Detection | Detects, alerts and stops unauthorized rogue Access Points and clients in both the 2.4 and GHz bands ¹ |
| Secure Management Interfaces | SNMPv3, SSL and SSH protect against unauthorized AP changes via the management interface |
| Multiple VLAN Support with different security settings | Up to 16 separate VLANs each able to support a different security setting |
| 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 ¹ |
| Assured Software Upgrades | Guarantees new AP configuration file is valid before deleting current image - dual image support |
| Quality of Service | Draft IEEE 802.11e along with 802.1p and 802.1q improves performance of video and voice applications |
| High Output Power | +20 dBm for 802.11b, +18 dBm for 802.11g and 802.11a |
| Transmit Power Control | Supports settable transmit power levels to adjust coverage cell size |
| Automatic Channel Selection | Simplifies installation by choosing best possible channel upon installation |
| Super Mode | Delivers greater than 30 Mbps throughput for ORiNOCO and Atheros-based clients while simultaneously compatible with non-Atheros clients |
| Designed for Public Hot Spots | Extensive RADIUS Accounting support, intra-cell blocking to prevent client-to-client snooping, multiple VLAN support with different security modes |
| 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 |
| 802.3af and AC power | Decreases installation costs up to \$1000 per AP when Power over Ethernet is available |
| Integrated diversity 2.4 and 5 GHz antennas with horizontal and vertical polarization | Delivers optimum coverage in any mounting position and excellent performance in high multipath environments |
| External antenna connectors for 802.11b/g and 802.11a | Allows use of shaped and higher gain antennas to design for most efficient AP placement ² |
| Plenum rated | Meets safety and insurance requirements when installed in air spaces |
| Wi-Fi Certified | Industry certification guarantees interoperability with other Wi-Fi certified clients |

INTERFACE

| | |
|-------------------|--------------------------------|
| Wired Ethernet | 10/100 base-T Ethernet (RJ-45) |
| Wireless Ethernet | 1 integrated 802.11a/b/g radio |
| RS-232 | Unit configuration |

HARDWARE SPECIFICATION

| | |
|--------|-------------------------|
| Memory | 32 MB SDRAM; 8 MB Flash |
|--------|-------------------------|

PHYSICAL SPECIFICATIONS

| | |
|------------|---|
| Dimensions | 7.1 x 4.8 x 1.1 in (180 x 120 x 27 cm) |
| Weight | 0.65 lbs (0.295 kg) |

ENVIRONMENTAL SPECIFICATIONS

| | | |
|-------------|-----------|----------------------|
| Temperature | Operating | 0°C to 55°C |
| | Storage | -10°C to 70°C |
| Humidity | Operating | 95% (non-condensing) |
| | Storage | 95% (non-condensing) |

POWER SUPPLY

| | |
|-------|--|
| Types | Integrated module Autosensing 100/240 VAC; 50/60 Hz IEEE 802.3af Active Ethernet for power over Ethernet |
|-------|--|

LEDS

| | |
|------|---|
| Type | Power, Ethernet LAN Activity Wireless 802.11a/b/g Activity |
|------|---|

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)
- Syslog
- DHCP Server and Client

WARRANTY

1 year (on parts and labor)

PACKAGE CONTENTS

- AP-700 access point with built-in 802.11a/b/g radio
- Power supply and support for Active Ethernet and IEEE 802.3af
- Software and documentation
- Cable cover and mounting bracket

RELATED PRODUCTS

Wavelink Mobile Manager, Ekahau Site Survey and RF Prediction Software, ORiNOCO 11a/b/g ComboCard, Dual Band Range Extender Antenna

¹ In conjunction with Wavelink Mobile Manager

² 8675-AU, 8675-EU2 and 8675-US2 does not include external antenna connectors

