

AirEther™ AP11

Outdoor Wireless Access Point IP68 Certified All Weather Enclosure



Features and Benefits

- Supports IEEE 802.1x security standard for enhanced security of the wireless system with certificate authentication and automatic WP distribution
- Enhanced transmit power for extended wireless coverage for over 20Km/13 Miles*
- IP68 rated die-cast all weather enclosure for harsh weather conditions
- Watertight type connector
- 100% sealed by a strong mechanical structure and sturdy design for harsh weather environments
- Built-in cost saving Surge Arrestor at antenna port
- Industrial strength wall mounting screws and mast mounting bracket with U-bolts for easy installation
- Unique die-cast metal housing designed to function as a ground plane, forming a perfect radiation pattern, and improved antenna performance
- Additional 12V DC power on-board for system integration of 2.4 GHz RF amplifier enables the unit to provide higher direct output power
- Ease of installation with cost effective Power over Ethernet (PoE)

The AirEther AP11 Outdoor Wireless Access Point provides a robust and extended wireless coverage area. Together with the IP68 certified all weather enclosure, the AirEther AP11 offers the most economical outdoor wireless AP solution available on the market. The AirEther AP11 Outdoor Wireless Access Point is the ideal outdoor hotspot solution for the following environments:

- Airports
- Campus
- Stadiums
- Public Parks
- Marinas
- Beaches
- Outdoor Shopping Malls
- Convention Centers
- Warehouses

Ideal Hotspot Solutions

The Most Economical and Robust Outdoor HotSpot Solution

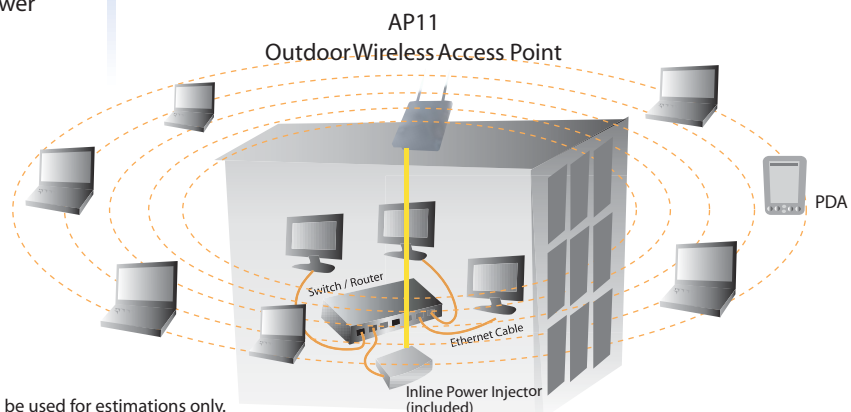
The AirEther AP11 is the most robust and affordable 11 Mbps outdoor wireless hotspot connectivity solution. Ideal for public parks, outdoor shopping malls, marinas, stadiums and other outdoor venues, the AirEther AP11 is IP68 certified and built with die-cast all weather housing that is dust proof and protected from strong water jets and/or constant immersion. The AirEther AP11 provides an easily outdoor extension to the Internet or LAN. With AirEther AP11, Internet Service Providers can cost-effectively deploy last mile access networks for business and residential customers in medium-sized communities.

Secure and Reliable Outdoor Network Extension

The AirEther AP11 provides secure and reliable connectivity with IEEE 802.1x authentication and 64/128-bit WEP encryption between wireless clients, e.g. laptops, PDAs, and LANs. The system easily integrates into existing networks and network management systems. IEEE 802.1b SSID is hidden for site survey presentation. The firewall features include a MAC address filter, DoS, and IP based access control.

Easy to Deploy for Outdoor Networks

The AirEther AP11 addresses the cost and installation challenges usually associated with deploying outdoor wireless networks. The system is ideal for providing outdoor Internet access in a wide range of areas including shopping mall parking lots, enterprise warehouses and university campuses.



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*The distances referenced here are approximates and should be used for estimations only.

AirEther™ AP11

Outdoor 2.4 GHz Wireless Access Point (IP68 Certified All Weather Enclosure)

Order Information

Model No.

AirEther AP 11
Outdoor Wireless Access Point

Part No.

11-2004-AP1100

Package Contents

- AP11 Outdoor Wireless AP Unit
- Ethernet Inline Power Injector
- Two 5 dBi Omni-directional Antennas
- 30m MIL-C-5015 Style Ethernet Cable
- 2m Uplink RJ-45 Ethernet Cable
- 2m mil-c-5015 Style RS232
- Configuration Cable
- User Manual CD
- Mast Mounting Bracket with U-bolts
- Wall Mounting Bracket with Screws

Dimension

- L = 9.40 inches (23.88 cm)
- W = 7.86 inches (19.96 cm)
- H = 2.75 inches (6.99 cm)

Warranty

- 1 Year (Parts and Labor)

Technical Specifications

Wireless

- IEEE 802.11b (2.4 GHz unlicensed ISM radio band)
- Frequency band: 2.4 ~ 2.497GHz
- Modulation: Direct Sequence Spread Spectrum (DSSS)
- Data Rate: CCK @ 11/5.5 Mbps, DQPSK@2Mbps, DBPSK @1Mbps
- Media Access Protocol: CSMA/CA with ACK

Power Supply (PoE)

- Input: 100 ~ 240VAC 50 ~ 60Hz
- Output: ~48V DC 0.7A

Regulation Certifications

- FCC Part 15
- CSA

Transmit Power (Exclude Antenna Gain)

- 23dBm (200mW typically) for Pro version
- 30dBm (1W typically) for Premium version

Receiver Sensitivity

- < -84dBm @11Mbps
- < -90dBm @2Mbps

Networking

- IEEE 802.1d bridge
- DHCP Server (RFC 2131)
- DHCP Client
- PPoE (RFC 2516)
- DNS Relay
- NAT/NAPT
- Virtual Server (NAT inbound server)

Security

- PPPoE authentication PAP/CHAP
- User authentication in Web-Based Manager
- IEEE 802.1x Port-based network access control
- Radius client (user authentication and accounting)
- MAC address based access control
- IEEE 802.11b 64-Bit, 128-Bit encryption
- IEEE 802.11b SSID hidden (Site Survey Prevention)
- Denial wireless 802.11b "ANY" station

Firewall

- Build-in NAT firewall
- IP based access control
- Denial of Service (DoS) Protection
- Console (RS-232) configuration

Network Management

- SNMP v1, v2
- Web-based manager

Network Interface

- 1 Port 10Base-T Ethernet for WAN/LAN
- UART for console

Firmware Upgrade

- TFTP (Transparent FTP)
- Xmodem & 1K Xmodem

Operating Channels

- North America: 1 ~ 11 (FCC)
- Europe: 1 ~ 13 (ETSI)
- Japan: 1 ~ 13 (TELEK)/ 14 (MKK)

Lightning Protector Surge Current

- 20KA

Operating Temperature

- -20~70 °C (-4~158 °F) in operating
- -40~80 °C (-4~176 °F) in storage

Humidity (non-condensing)

- Outdoor, all-weather enclosure

* Specifications subject to change without notice.
* For Distribution partner details, please visit <http://www.inscapedata.com>



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