

Product Highlights

Rugged Outdoor Dual Band Access Point

- Concurrent Dual Band 802.11n Connectivity
- IP67 Housing w/Built in Heater & Sensor
- Supports up to 32 SSIDs (16 per radio)
- Enterprise Security and Management
- Internal & External Radius Support
- Integrated 802.3at Power over Ethernet (PoE)
- Includes Wall and Pole Mounting Kit
- Limited Lifetime Warranty
- Operates as; AP, WDS, WDS with AP, Wireless Client



DAP-3690

AirPremier® N Dual Band Outdoor PoE Access Point

Features

For Business-Class Environments

- Concurrent Dual Band Connectivity for increased network capacity
- Ideal for outdoor deployment
- Traffic control / QoS
- Internal and External RADIUS Server Support
- Web redirection
- Water/dust-proof IP67 standard compliant
- Surge protection¹

Multiple Operation Modes

- Access point
- WDS
- WDS with AP
- Wireless client

High Performance Connectivity

- IEEE 802.11n wireless
- Up to 300Mbps² - both 2.4G & 5G
- Two Gigabit LAN ports
- Concurrent 2.4/5 GHz dualband connection

Overview

The D-Link® DAP-3690 AirPremier® N Outdoor Dual Band PoE Access Point is a versatile, high power outdoor access point designed with harsh weather resistant features making it an ideal solution for creating outdoor wireless hot spot networks. In addition to outdoor, it can be installed in environments where flexible wireless access and harsh conditions exists including; manufacturing plants, industrial automation, convention halls, stadium facilities, airports, school campuses, golf courses, marinas or virtually any venue requiring a robust wireless solution.

Versatile Access Point

Detachable antennas provide flexibility and optimal wireless coverage in both 2.4GHz (802.11 b/g/n) and 5GHz (802.11 a/b/g/n) bands. Designed for outdoor deployments, the DAP-3690 includes a broad range of harsh environment features such as IP67 water/dust proof housing, wide operating temperature range, built in heater and power surge arrester to withstand all elements. Easy installation is realized with integrated 802.3at Power over Ethernet (PoE) support, eliminating the need for power outlets and the included wall and pole mounting kits minimize installation time making the DAP-3690 quick to deploy.

Trusted Security Features

- WPA2™ - Enterprise/Personal
- WPA™ - Enterprise/Personal
- WPA2 - PSK/AES over WDS
- 64/128-bit WEP encryption
- MAC address filtering
- 802.1x authentication
- ARP spoofing prevention
- Rogue AP detection
- WLAN partitioning

Convenient Installation

- Supports 802.3at Power over Ethernet⁶

Easy Management

- Web interface (HTTP & HTTPS)
- Telnet
- SNMP v1, v2c, and v3
- AP Manager II
- SSH
- D-View® 5.1 and 6.0
- AP Array
- RJ-45 serial console port

Outdoor Installation

- Power over Ethernet support
- Built-in heater with sensor
- Power surge arrestor included
- Mounting kit for wall and pole mounting



Multiple Operation Modes

The DAP-3690 can be configured to optimize network performance based on any one of its multiple operation modes: Access Point, Wireless Distribution System (WDS) with Access Point, WDS, and Wireless Client.

Also included are advanced features such as Load Balancing, which optimizes high network traffic volume, and redundancy for fail-safe wireless connectivity. Additionally, the DAP-3690 offers Spanning Tree Protocol support for greater efficiency and to avoid broadcast storms when used in WDS mode.

Enhanced Performance

The DAP-3690 delivers reliable wireless performance with with maximum wireless signal rate of up to 300 Mbps in both the 2.4 GHz and 5 GHz wireless band.² Additionally, support for Wi-Fi Multimedia™ (WMM) Quality of Service (QoS) features, make this device an ideal access point for audio, video, and voice applications.

When enabled, QoS allows the DAP-3690 to automatically prioritize traffic according to the level of interactive streaming, such as Voice over IP (VoIP). The QoS feature also provides a drop-down menu option to customize priority settings. The load balance feature in this device also ensures maximum performance by setting a limit for the total number of users per access point.

Security

To help maintain a secure wireless network, the DAP-3690 provides the latest in wireless security technologies by supporting both Personal and Enterprise versions of WPA™ and WPA2™ (802.11i) with support for a RADIUS server backend. To further protect your wireless network, MAC Address Filtering, Wireless LAN Segmentation, Disable SSID Broadcast, Rogue AP Detection, and Wireless Broadcast Scheduling are also included. The DAP-3690 includes support for up to 16 VLANs per band to implement multiple SSIDs to further help segment users on the network. It also includes a wireless client isolation mechanism, which limits direct client-to-client communication.

Network Management

Network administrators have multiple options for securely managing the DAP-3690 including Web (HTTP/HTTPS), Secure Sockets Layer (SSL), Secure Shell (SSH), and Telnet and a RJ-45 console port. For advanced network management, administrators can use the D-Link AP Manager II, AP Array, or D-View SNMPv3 management module to configure and manage multiple access points from a single location. In addition to a streamlined management process, both AP Manager II and D-View provide network administrators with the means to verify and conduct regular maintenance checks remotely, eliminating the need to send out personnel to physically verify proper operation.

With simultaneous dual band functionality, PoE support, extensive manageability, versatile operation modes, and solid security enhancements, the D-Link AirPremier N Dual Band Outdoor PoE Access Point (DAP-3690) provides SMB and enterprise environments with a business class solution for deploying a wireless network in outdoor environments.



Technical Specifications

Standards

| | | | | |
|---------------------------------------|--|--|---|--|
| Standards | <ul style="list-style-type: none"> • IEEE 802.11a • IEEE 802.11n | <ul style="list-style-type: none"> • IEEE 802.11g • IEEE 802.3ab | <ul style="list-style-type: none"> • IEEE 802.3at • IEEE 802.3u | <ul style="list-style-type: none"> • IEEE 802.3 |
| Network Management/Service | <ul style="list-style-type: none"> • Telnet, Secure Telnet (SSH) • Web Browser Interface • HTTP, Secure HTTP (HTTPS) • SNMP Support • D-View Module - Private MIB | | <ul style="list-style-type: none"> • DHCP (client/server) • AP Manager II • AP Array • NTD | |
| Security | <ul style="list-style-type: none"> • WPA™-Personal • WPA-Enterprise • WPA2™-Personal • WPA2-Enterprise • 64/128-bit WEP • SSID Broadcast Disable | | <ul style="list-style-type: none"> • MAC Address Access Control • Radius (Embedded) • Rogue AP Detection • 802.1x Authentication • Wireless LAN Partition • Radius External (Primary and Secondary) | |
| VLAN/SSID Support | <ul style="list-style-type: none"> • Multiple SSID supports up to 16 (8 per radio) | | | |
| Quality of Service (QoS) | <ul style="list-style-type: none"> • 4 Priority Queues | | <ul style="list-style-type: none"> • WMM Wireless Priority | |
| Wireless Frequency Range ³ | <ul style="list-style-type: none"> • 2.4 GHz (2.4 GHz to 2.4835 GHz) | | <ul style="list-style-type: none"> • 5 GHz (5.15 GHz to 5.35 GHz, 5.47 GHz to 5.85 GHz) | |
| Operating Modes | <ul style="list-style-type: none"> • Access Point (AP) • WDS with AP | | <ul style="list-style-type: none"> • WDS • Wireless Client | |
| Dipole Antenna Gain | <ul style="list-style-type: none"> • 5 dBi @ 2.4 GHz | | <ul style="list-style-type: none"> • 7 dBi @ 5 GHz | |
| General Specifications | | | | |
| Maximum Output Power ⁴ | <ul style="list-style-type: none"> • 20 dBm @ 2.4 GHz | | <ul style="list-style-type: none"> • 23 dBm @ 5 GHz | |
| Maximum Power Consumption | <ul style="list-style-type: none"> • 18 watts (Max.) with PoE (with heater OFF) | | <ul style="list-style-type: none"> • 24 watts (Max.) with PoE (with heater ON) | |

DAP-3690 AirPremier® N Dual Band Outdoor PoE Access Point

| | |
|----------------------------------|---|
| Power Voltage | • 48V DC +/- 10% for PoE ¹ |
| Operating Temperature | • -40 to 140° F (-40 to 60 °C) ⁵ |
| Storage Temperature | • -40 to 149° F (-40 to 65 °C) |
| Humidity | • Operating: 10% to 90% non-condensing • Storage: 5% to 95% non-condensing |
| Weight | • 5.58 lbs (2.53 kg) |
| Dimensions | • 9.85" x 8.66" x 2.76" (250 x 220 x 70 mm) |
| Accessories Provided for Outdoor | • Four embedded surge arrestor • PoE base unit • Grounding wire • Wall mounting kit • Pole mounting kit |
| Certifications | • FCC • IC • UL • Wi-Fi • IP67 |
| Warranty | |
| Warranty | • Limited Lifetime |
| Order Information | |
| <i>Part Number</i> | <i>Description</i> |
| DAP-3690 | AirPremier® N Concurrent Dual Band Outdoor PoE Access Point |

¹ Maximum spike voltage: 6 kv

² Maximum wireless signal rate derived from IEEE standard 802.11G and 802.11N specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate. Environmental factors will adversely affect wireless signal range.

³ Wireless frequency range may vary according to individual country regulations.

⁴ Maximum output power setting as dual chain may vary according to individual country regulations.

⁵ The product is capable of continuous reliable operation when operating in ambient temperature of -30 to 60 °C, and can be extended to -40 to 60 °C when heater is in operation.

⁶ Only compliant with 802.3At poe switches. The 802.3Af standard does not supply sufficient power for dap-3690. Current d-link 802.3At poe switch products available include dgs-1210-10p, dgs-3120, and dgs-3620.

Product specifications, size, and shape are subject to change without notice, and actual product appearance may differ from that depicted on the package. See inside package for warranty details.

Updated 12/22/2011



For more information

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