

Product Highlights

Rugged Outdoor Dual Band Access Point

- Concurrent Dual Band 802.11n Connectivity
- IP67 Housing with Built-in Heater & Sensor
- Supports up to 16 SSIDs (8 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

Wireless N Dualband Outdoor PoE Access Point



Key Features

For Business-Class Environments

- Concurrent Dual Band Connectivity for increased network capacity
- Ideal for outdoor deployment
- Traffic control / Quality of Service (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

Trusted Security Features

- WPA™/WPA2™ - 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

Outdoor Installation

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

Overview

The DAP-3690 is a versatile, high performance outdoor Access Point designed for delivering high-speed Internet access in harsh environments, making it an ideal solution for creating outdoor wireless hot spot networks. As well as being robust and versatile, the DAP-3690 delivers the same high performance expected of an indoor product, where flexible wireless access is needed. Suitable for usage in typical industrial locations such as manufacturing plants, industrial automation, convention halls, as well as stadiums, airports, school campuses, golf courses, marinas. Virtually any environment requiring a robust wireless solution.

Versatile Access Point

Detachable antennas provide flexibility and optimal wireless coverage in both 2.4 GHz (802.11 b/g/n) and 5GHz (802.11 a/n) bands. Designed for outdoor deployments, the DAP-3690 includes a broad range of robust environmental features such as IP67 water/dust proof housing, wide operating temperature range, built-in heater and power surge arrestor to withstand a wide range of weather conditions and temperatures from -40 to 60°C. Easy installation is provided with integrated 802.3at Power over Ethernet (PoE) support, eliminating the need for power outlets and the included wall and pole mounting kits minimise installation time, making the DAP-3690 quick to deploy.

Multiple Operation Modes

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

Also included are advanced features such as Load Balancing, which optimises 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 maximum wireless signal rates 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 prioritise 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 customise 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 8 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), 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, DAP-3690 provides business environments with a business class solution for deploying a wireless network in outdoor environments.



If the worst should happen to your network you need the very best support and fast. Downtime costs your business money. D-Link Assist maximises your uptime by solving technical problems quickly and effectively. Our highly trained technicians are on standby around the clock, ensuring that award-winning support is only a phone call away.

With a choice of three affordable service offerings covering all D-Link business products, you can select the package that suits you best:

D-Link Assist Gold - for comprehensive 24-hour support

D-Link Assist Gold is perfect for mission-critical environments where maximum uptime is a high priority. It guarantees four hour around-the-clock response. Cover applies 24/7 for every day of the year including holidays.

D-Link Assist Silver - for prompt same-day assistance

D-Link Assist Silver is designed for 'high availability' businesses that require rapid response within regular working hours. It provides a four hour response service Monday to Friday from 8am to 5pm, excluding holidays.

D-Link Assist Bronze - for guaranteed response on the next business day

D-Link Assist Bronze is a highly cost-effective support solution for less critical environments. Response is guaranteed within eight business hours Monday to Friday from 8am to 5pm, excluding holidays.

D-Link Assist can be purchased together with any D-Link business product. So whether you're buying switching, wireless, storage, security or IP Surveillance equipment from D-Link, your peace of mind is guaranteed. D-Link Assist also offers installation and configuration services to get your new hardware working quickly and correctly.

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)
Power Voltage	<ul style="list-style-type: none"> • 48V DC +/- 10% for PoE 	
Temperature	<ul style="list-style-type: none"> • Operating: -40 to 60 °C⁵ 	<ul style="list-style-type: none"> • Storage: -40 to 65°C
Humidity	<ul style="list-style-type: none"> • Operating: 10% to 90% non-condensing 	<ul style="list-style-type: none"> • Storage: 5% to 95% non-condensing
Weight / Dimensions	<ul style="list-style-type: none"> • 2.53 kg 	<ul style="list-style-type: none"> • 250 x 220 x 70 mm
Accessories Provided for Outdoor	<ul style="list-style-type: none"> • Four embedded surge arrestor • PoE base unit • Grounding wire 	<ul style="list-style-type: none"> • Wall mounting kit • Pole mounting kit
Certifications	<ul style="list-style-type: none"> • FCC • IC • UL 	<ul style="list-style-type: none"> • Wi-Fi • IP67 • CE

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.

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