For Business-Class Environments

- Concurrent Dual Band Connectivity for increased network capacity
- Ideal for outdoor deployment
- Two Gigabit LAN ports
- Traffic control / QoS
- Internal RADIUS Server
- Web redirection
- Water/dust-proof IP67 standard compliant
- Supports RJ-45 console port
- Surge protection[1]

Multiple Operation Modes

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

High Performance Connectivity

- IEEE 802.11n wireless
- Up to 300Mbps[2]
- Concurrent 2.4/5 GHz dual band connection

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 Ethernet[6]

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 console port

Outdoor Installation

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

AirPremier N Concurrent Dual Band PoE Outdoor AP

Overview
D-Link introduces its new AirPremier N Concurrent Outdoor Dual Band PoE Access Point (DAP-3690). With its versatile functions, high power design[3] and weather resistant features, DAP-3690 is an ideal solution for hot spot networks to provide outdoor users with wireless Internet access. It can also be installed in a number of environments, including manufacturing plants, industrial locations, convention halls, school campuses, airports, golf courses, marinas, and other outdoor venues.

Versatile Access Point
The DAP-3690 allows network administrators to deploy a highly manageable and extremely robust concurrent dual band wireless network. All four antennas are detachable and can provide optimal wireless coverage in both 2.4GHz (802.11g and 802.11n) and 5GHz (802.11a and 802.11n) bands. Ideal for outdoor deployment, this device is built with a series of weather resistant features, such as a built in heater, to withstand all elements. For advanced installation, this new high-speed access point has integrated 802.3at Power over Ethernet (PoE) support, allowing installation in areas where power outlets are not readily available.

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), Secure Sockets Layer (SSL), Secure Shell (SSH), and Telnet (bi-directional, eight-bit oriented communications facility) and an 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 Concurrent 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 environment.

AirPremier N Concurrent Dual Band PoE Outdoor AP

Technical Specifications

Specification Category	IEEE 802.11a IEEE 802.11n IEEE 802.11g IEEE 802.3ab IEEE 802.3at IEEE 802.3u IEEE 802.3
Network Management	Telnet, Secure Telnet (SSH) Web Browser Interface HTTP , Secure HTTP (HTTPS) SNMP Support D-View Module - Private MIB AP Manager II AP Array
Security	WPA™-Personal WPA-Enterprise WPA2™-Personal WPA2-Enterprise 64/128-bit WEP SSID Broadcast Disable MAC Address Access Control Rogue AP Detection 802.1x Authentication Wireless LAN Partition
VLAN/SSID Support	Multiple SSID supports up to 16 (8 per radio)
Quality of Service (QoS)	4 Priority Queues WMM Wireless Priority
Wireless Frequency Range[3]	2.4 GHz (2.4 GHz to 2.4835 GHz) 5 GHz (5.15 GHz to 5.35 GHz, 5.47 GHz to 5.85 GHz)
Operating Modes	Access Point (AP) WDS with AP WDS Wireless Client
Dipole Antenna Gain	5 dBi @ 2.4 GHz 7 dBi @ 5 GHz
Maximum Output Power[4]	20 dBm @ 2.4 GHz (dual chain) 23 dBm @ 5 GHz (dual chain)
LEDs	Power / LAN / 5 GHz / 2.4 GHz
Maximum Power Consumption	18 watts (Max.) with PoE (with heater OFF) 24 watts (Max.) with PoE (with heater ON)
Power Voltage	48V DC +/- 10% for PoE

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Technical Specifications

Temperature	Operating: -40 to 60 °C[5] Storage: -40 to 65 °C
Humidity	Operating: 10% to 90% non-condensing Storage: 5% to 95% non-condensing
Weight	2.53 kg (without antennas)
Dimensions (W x H x D)	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 CE IC C-Tick NCC UL Wi-Fi IP67

[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 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.