D-Link®
Building Networks for People

Product Highlights

Enjoy high-performance wireless connection

Extend your network to enjoy wireless speeds of up to 300 Mbps[1] in both 2.4 GHz and 5 GHz wireless bands

Enhanced dual-band performance

Load balancing with band steering[4] to provide more stable and faster wireless connection

Strong security and authentication features

Maintain a highly secure network with a range of features including WPA/WPA2, Wireless LAN segmentation, and VLAN support

Flexible operation

Configure to use as an Access Point, a Wireless Distribution System (WDS) with Access Point, a WDS/ Bridge, or a Wireless Client

DAP-2690

Wireless N Simultaneous Dual-Band PoE Access Point

Features

For Business-Class Environments

- Simultaneous Dual Band Connectivity for Increased Network Capacity
- Band Steering[4]
- Console Port for Debugging
- Rugged Metal Housing
- Plenum-rated Chassis
- Ideal for Indoor Deployment[2]
- Traffic Control/QoS
- Internal RADIUS Server
- Web Redirection

High Performance Connectivity

- IEEE 802.11n Wireless
- Up to 300 Mbps[1]
- Gigabit LAN Port

Trusted Security Features

- WPA/WPA2 - Enterprise/Personal
- WPA2 - PSK/AES over WDS
- 64/128-bit WEP Encryption
- MAC Address Filtering
- Network Access Protection (NAP)
- ARP Spoofing Prevention
- WLAN Partition

Convenient Installation

- Supports 802.3af Power over Ethernet
- Wall Mounting Brackets Included

The DAP-2690 Wireless N Simultaneous Dual-Band PoE Access Point is designed for supporting small and medium business environments or enterprise corporations by providing secure and manageable dual band wireless LAN options for network administrators.

Versatile Access Point

The DAP-2690 allows network administrators to deploy a highly manageable and extremely robust simultaneous dual band wireless network. All four antennas on the DAP-2690 are detachable and can provide optimal wireless coverage in either 2.4 GHz (802.11g and 802.11n) and 5 GHz (802.11a and 802.11n) bands. Enclosed in a plenum-rated metal chassis, the DAP-2690 adheres to strict fire codes for placement in air passageways. For advanced installations, the DAP-2690 has integrated 802.3af Power over Ethernet (PoE) support, allowing this device to be installed in areas where power outlets are not readily available.

Enhanced Performance

The DAP-2690 delivers reliable, high-speed wireless performance with maximum wireless signal rates of up to 300 Mbps in both the 2.4 GHz and 5 GHz wireless bands. This, coupled with support for the Wi-Fi Multimedia™ (WMM) Quality of Service feature, makes it an ideal access point for audio, video, and voice applications. When enabled, QoS allows the DAP-2690 to automatically prioritize network traffic according to the level of interactive streaming, such as gaming or VoIP. The QoS feature can be adjusted using the DAP-2690's web GUI using a drop-down menu option to select customized priority rules. Additionally, the DAP-2690 supports load balancing to ensure maximum performance by limiting the maximum number of users per Access Point. With band steering[4], the DAP-2690 detects whether or not the wireless client is dual-band capable, and if it is, it will push the client to connect to the less congested 5 GHz network. It does this by actively blocking the client's attempts to associate with the 2.4 GHz

network. Band steering can ensure clients on the 5 GHz band can achieve their maximum performance without being bottle-necked by legacy 2.4 GHz 802.11b/g clients. This way, you can make the most of Wireless N technology and at the same time ensure backwards compatibility with existing legacy equipment.

Security

To help maintain a secure wireless network, the DAP-2690 supports both Personal and Enterprise versions of WPA and WPA2 (802.11i) with support for RADIUS server back-end and a built-in internal RADIUS server allowing users to create their accounts inside. This access point also includes MAC Address Filtering, Wireless LAN segmentation, Disable SSID Broadcast, Rogue AP Detection, and Wireless Broadcast Scheduling to further protect your wireless network. The DAP-2690 includes support for up to eight VLANs per band for implementing 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. Additionally, the DAP-2690 supports Network Access Protection (NAP), which is a feature of Windows Server® 2008. NAP allows network administrators to define multiple levels of network access based on individual client's need.

Multiple Operation Modes

To maximize total return on investment, the DAP-2690 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/Bridge (No AP Broadcasting) and Wireless Client. With WDS support, network administrators can set up multiple DAP-2690s throughout a facility and configure them to bridge with one another while also providing network access to individual clients. The DAP-2690 also features advanced features such as Load Balancing and redundancy for fail-safe wireless connectivity.

Network Management

Network administrators have multiple options for managing the DAP-2690 including Web (HTTP), Secure Sockets Layer (SSL, which provides for a secure connection to the Internet), Secure Shell (SSH, which provides for a secure channel between local and remote computers), and Telnet. For advanced network management, administrators can use the D-Link AP Manager II or D-View SNMPv3 management module to configure and manage multiple access points from a single location. In addition, the AP Manager II or D-View software provides network administrators with the means of conducting regular maintenance checks remotely, eliminating the need for sending out personnel to phsyically verify proper operation. Also available is an AP array, allowing the management of a set of network devices as a single group for easy configuration and deployment. In addition, the DAP-2690 has a Wireless Scheduler feature for power saving. With simultaneous dual band functionality, PoE support, extensive manageability, versatile operation modes, and solid security enhancements, the DAP-2690 provides SMB environments with a business-class solution for deploying a wireless network.

DAP-2690
Wireless N Simultaneous Dual-Band PoE Access Point

Technical Specifications

General		
Device Interfaces	• 802.11a/b/g/n wireless • RJ45 Console Port	• Reset button • Gigabit PoE LAN Port
LED	• Power • LAN	• 2.4 GHz • 5 GHz
Standards	• IEEE 802.11a/b/g/n	• IEEE 802.3u/ab/af
Wireless Frequency Range	• 2.4 GHz to 2.4835 GHz	• 5.15 to 5.35 GHz, 5.47 to 5.85 GHz[3]
Antennas	• Two 4 dBi for 2.4 GHz	• Two 6 dBi for 5 GHz
Functionality		
Security	• WPA-Personal • WPA-Enterprise • WPA2-Personal • WPA2-Enterprise • WEP 64/128-bit encryption	• SSID Broadcast Disable • MAC Address Access Control • Network Access Protection • Internal RADIUS Server
Network Management	• Telnet • Secure Telnet (SSH) • HTTP • Secure HTTP (HTTPS) • Traffic Control	• SNMP • D-View Module - Private MIB • AP Manager II • AP Array
Physical		
Dimensions	• 164.59 x 31.75 x 184.66 mm (6.48 x 1.25 x 7.27 inches)	
Weight	• 858 grams (1.9 lbs) with antennas	
Operating Voltage	• 48 V DC +/- 10% or POE	
Maximum Transmit Output Power	• FCC at 2.4 GHz: 23 dBm/ETSI: 15 dBm (Dual Chain) • FCC at 5 GHz: 23 dBm/ETSI: 22 dBm (Dual Chain)	
Temperature	• Operating: 0 to 40 °C (32 to 104 °F)	• Storage: -20 to 65 °C (-4 to 149 °F)
Humidity	• Operating: 10% to 90% non-condensing	• Storage: 5% to 95% non-condensing
Certifications	• FCC • IC • CE	• UL • Wi-Fi®

[1] 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.
[2] This unit is designed for indoor environments, you might violate local regulatory requirements by setting up this unit in outdoor environments.
[3] Please note that operating frequency ranges vary depending on the regulations of individual countries and jurisdictions. The DAP-2690 may not be supported in the 5.25-5.35 GHz and 5.47-5.725 GHz frequency ranges in certain regions. This product is based on IEEE 802.11n specifications and is not guaranteed to be forward compatible with future versions of IEEE 802.11n specifications. Compatibility with 802.11n devices from other manufacturers is not guaranteed. All references to speed and range are for comparison purposes only. Product specifications, size, and shape are subject to change without notice, and actual product appearance may differ from that depicted herein.
[4] Supported on hardware revision B1

Wi Fi CERTIFIED

For more information: www.dlink.com

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