

Product Highlights

Fast 300Mbps 802.11n Wireless Radio
Simultaneous Dual Band Connectivity for Increased Network Capacity

Flexible Product Design
Plenum-rated metal chassis and integrated 802.3af Power over Ethernet for safe deployment in any indoor application.

Business-class Wireless Solution
Extensive manageability, versatile operation modes and solid security enhancements for Business-class environments



DAP-2690

AirPremier® N Simultaneous Dual Band PoE Access Point

Features

For Business-Class Environments

- Simultaneous Dual Band Connectivity for Increased Network Capacity
- Ideal for Indoor Deployments¹

Multiple Operation Modes

- Access point
- WDS /Bridge
 - Point-to-Point
 - Point-to-Multiple-Points
- WDS with AP
- Wireless client

High Performance Connectivity

- IEEE 802.11n wireless
- Up to 300Mbps²

Trusted Security Features

- WPA2™ - Enterprise/Personal
- WPA™ - Enterprise/Personal
- WPA2 - PSK/AES over WDS
- 64/128-bit WEP encryption
- MAC address filtering
- Basic Firewall Features

Overview

D-Link®, an industry pioneer in wireless networking, introduces a solution for businesses seeking to deploy next generation 802.11n LANs. D-Link unveils its new AirPremier N Simultaneous Dual Band PoE Access Point (DAP-2690), designed for supporting small and medium-sized business and enterprise environments to provide 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 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. Enclosed in a plenum-rated metal chassis, the DAP-2690 adheres to strict fire codes for placement in air passageways. For advanced installations, this new high-speed access point has integrated 802.3af Power over Ethernet (PoE) support, allowing installation in areas where power outlets are not readily available.

Enhanced Performance

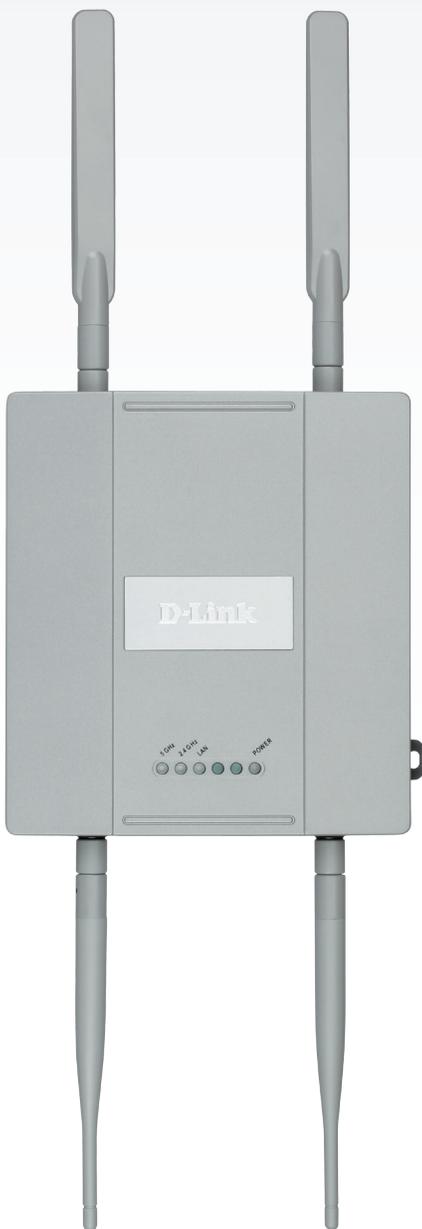
The DAP-2690 delivers reliable wireless performance with maximum wireless signal rates of up to 300Mbps in both the 2.4GHz and 5GHz wireless band. This, coupled with support for Wi-Fi Multimedia™ (WMM) Quality of Service (QoS) features, makes it an ideal access point for audio, video, and voice applications.

Convenient Installation

- Supports 802.3af Power over Ethernet

Easy Management

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



When enabled, QoS allows the DAP-2690 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 select customized priority rules. Additionally, the DAP-2690 supports load balancing features to ensure maximum performance by limiting the maximum number of users per access point.

Security

To help maintain a secure wireless network, the DAP-2690 provides the latest in wireless security technologies by supporting both Personal and Enterprise versions of WPA™ and WPA2™ (802.11i) with support for 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-2690 includes support for up to 8 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. If a client is identified outside of their access area, the client will be automatically brought back to their permitted network access level.

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. 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-2690 offers Spanning Tree Protocol support for greater efficiency and to avoid broadcast storms when used in WDS mode.

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 (bi-directional, eight-bit byte oriented communications facility). 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 to a streamlined management process, AP Manager II or D-View software provides network administrators with the means of verifying and conducting regular maintenance checks remotely, eliminating the need for sending out personnel to physically verify proper operation.

With simultaneous dual band functionality, PoE support, a plenum-rated chassis, extensive manageability, versatile operation modes, and solid security enhancements, the D-Link AirPremier N Simultaneous Dual Band PoE Access Point (DAP-2690) provides SMB and enterprise environments with a business-class solution for deploying a wireless network in the workplace.



Front



Back

Technical Specifications

Standards

Standards	<ul style="list-style-type: none"> • IEEE 802.11n • IEEE 802.11a 	<ul style="list-style-type: none"> • IEEE 802.11b • IEEE 802.3g 	<ul style="list-style-type: none"> • IEEE 802.3af • IEEE 802.3u 	<ul style="list-style-type: none"> • IEEE 802.3x • IEEE 802.3
Network Management/Service	<ul style="list-style-type: none"> • Command Line Interface <ul style="list-style-type: none"> - Telnet, Secure Telnet (SSH) • Web Browser Interface <ul style="list-style-type: none"> - HTTP, Secure HTTP (HTTPS) 		<ul style="list-style-type: none"> • SNMP Support <ul style="list-style-type: none"> - D-View Module - Private MIB • AP Manager II 	
Security	<ul style="list-style-type: none"> • WPA™-Personal • WPA-Enterprise • WPA2™-Personal • WPA2-Enterprise 		<ul style="list-style-type: none"> • 64/128-bit WEP • SSID Broadcast Disable • MAC Address Access Control • Network Access Protection 	
Wireless Frequency Range	<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, 5.725 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/Bridge (No AP Broadcast) • Wireless Client 	
LAN Port Speed	<ul style="list-style-type: none"> • 10/100/1000 Mbps 			
Dipole Antenna Gain	<ul style="list-style-type: none"> • 4dBi @ 2.4 GHz 		<ul style="list-style-type: none"> • 6dBi @ 5 GHz 	

General Specifications

Maximum Transmit Output Power	<ul style="list-style-type: none"> • 18dBm @ 2.4 GHz 	<ul style="list-style-type: none"> • 16dBm @ 5 GHz
Max. Effective Isotropic Radiated Power (EIRP)	<ul style="list-style-type: none"> • 28.4dBm @ 2.4 GHz 	<ul style="list-style-type: none"> • 25dBm @ 5 GHz
Maximum Power Consumption	<ul style="list-style-type: none"> • 12.5 watts 	
Operating Voltage	<ul style="list-style-type: none"> • 48V DC +/- 10% for PoE 	

DAP-2690 AirPremier® N Simultaneous Dual Band PoE Access Point

LEDs	• Power	• LAN	• 2.4GHz	• 5GHz
Temperature	• Operating: 32 to 104°F (0 to 40°C)		• Storage: -4 to 149°F (-20 to 65°C)	
Humidity	• Operating: 10% to 90% non-condensing		• Storage: 5% to 95% non-condensing	
Weight	• 1.65 lbs (748g)			
Dimensions	• 7.09" x 6.49" x 1.22" (180 x 165 x 31 mm)			
Certifications	• FCC Class B	• Wi-Fi	• IC	• UL
Warranty				
Warranty	• 1-Year Limited ³			
Ordering Information				
<i>Part Number</i>	<i>Description</i>			
DAP-2690	AirPremier® N Simultaneous Dual Band PoE Access Point			

¹ This unit is designed for indoor environments. You might violate local regulatory requirements by setting up this unit in outdoor environments.

² Maximum wireless signal rate derived from IEEE Standard 802.11 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 1-Year limited warranty available only in the USA and Canada .

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.

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U.S.A. | 17595 Mt. Herrmann Street | Fountain Valley, CA 92708 | 800.326.1688 | dlink.com **Canada** | 2525 Meadowvale Blvd | Mississauga, ON L5N 5S2 | 800.361.5265 | dlink.ca

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