

## 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



Limited  
**Lifetime**  
Warranty

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 Deployments<sup>1</sup>
- Rugged Metal Chassis
- Plenum-rated for placement in air passageways

#### 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 300Mbps<sup>2</sup>

#### 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

The DAP-2690 AirPremier N Simultaneous Dual Band PoE Access Point is designed to support small to medium business or enterprise environments by providing network administrators with secure and manageable dual-band wireless LAN options. Four detachable antennas provide optimal wireless coverage in both the 2.4GHz (802.11g and 802.11n) and the 5GHz (802.11a and 802.11n) bands. Enclosed in a rugged, plenum-rated metal chassis, the DAP-2690 adheres to strict fire codes for placement in air passageways. For advanced installations, this 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.

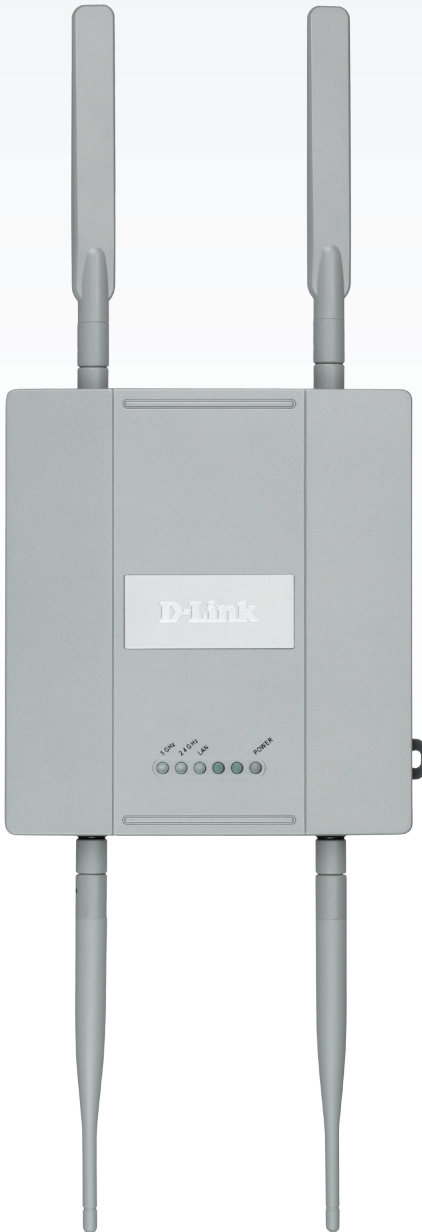
When enabled, QoS allows the DAP-2690 to automatically prioritize traffic according to the level of interactive streaming, such as Voice over IP (VoIP). The QoS feature also provides a drop-down menu option to select customized priority rules. Additionally, the DAP-2690 supports load balancing features to ensure maximum performance by limiting the maximum number of users per access point.

### Convenient Installation

- Supports 802.3af Power over Ethernet
- Wall/ceiling mount bracket included

### Easy Management

- Web interface (HTTP & HTTPS)
- Telnet
- SNMP v1, v2c, and v3
- Central Wi-Fi Manager
- SSH
- AP Array



### 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 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 Access Point, including Web (HTTP), Secure Sockets Layer (SSL), which provides a secure connection to the Internet, Secure Shell (SSH), which provides a secure channel between local and remote computers, and Telnet.

For advanced network management, administrators can use the D-Link Central Wi-Fi Manager controller software to configure and manage multiple access points from a single location. Scalable and flexible, Central WiFiManager is accessible anytime, anywhere, though the Internet by using a web browser. In addition to a streamlined management process, Central Wi-Fi Manager software provides enterprise-level features, including bandwidth optimization, captive portal, and RF optimization. Also available is AP Array, allowing the management of a set of network devices as a single group for easy configuration and deployment. The DAP-2690 also has a wireless scheduler feature for power saving and added security.

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.

### Limited Lifetime Warranty

D-Link offers a Limited Lifetime Warranty on the DAP-2690 wireless access point to further its commitment to product quality and long-term customer confidence.



Front



Back

### Technical Specifications

#### Standards

Standards	<ul style="list-style-type: none"> <li>• IEEE 802.11n</li> <li>• IEEE 802.11a</li> </ul>	<ul style="list-style-type: none"> <li>• IEEE 802.3g</li> <li>• IEEE 802.3af</li> </ul>	<ul style="list-style-type: none"> <li>• IEEE 802.3u</li> <li>• IEEE 802.3x</li> </ul>	<ul style="list-style-type: none"> <li>• IEEE 802.3</li> </ul>
Network Management/Service	<ul style="list-style-type: none"> <li>• Command Line Interface                             <ul style="list-style-type: none"> <li>- Telnet, Secure Telnet (SSH)</li> </ul> </li> <li>• Web Browser Interface                             <ul style="list-style-type: none"> <li>- HTTP, Secure HTTP (HTTPS)</li> </ul> </li> </ul>		<ul style="list-style-type: none"> <li>• SNMP Support                             <ul style="list-style-type: none"> <li>- D-View Module - Private MIB</li> </ul> </li> <li>• Central Wi-Fi Manager</li> </ul>	
Security	<ul style="list-style-type: none"> <li>• WPA™-Personal</li> <li>• WPA-Enterprise</li> <li>• WPA2™-Personal</li> <li>• WPA2-Enterprise</li> </ul>		<ul style="list-style-type: none"> <li>• 64/128-bit WEP</li> <li>• SSID Broadcast Disable</li> <li>• MAC Address Access Control</li> <li>• Network Access Protection</li> </ul>	
Wireless Frequency Range	<ul style="list-style-type: none"> <li>• 2.4 GHz (2.4 GHz to 2.4835 GHz)</li> </ul>		<ul style="list-style-type: none"> <li>• 5 GHz (5.15 GHz to 5.35 GHz, 5.725 GHz to 5.85 GHz)</li> </ul>	
Operating Modes	<ul style="list-style-type: none"> <li>• Access Point (AP)</li> <li>• WDS with AP</li> </ul>		<ul style="list-style-type: none"> <li>• WDS/Bridge (No AP Broadcast)</li> <li>• Wireless Client</li> </ul>	
LAN Port Speed	<ul style="list-style-type: none"> <li>• 10/100/1000 Mbps</li> </ul>			
Dipole Antenna Gain	<ul style="list-style-type: none"> <li>• 4dBi @ 2.4 GHz</li> </ul>		<ul style="list-style-type: none"> <li>• 6dBi @ 5 GHz</li> </ul>	

#### General Specifications

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

# 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 31mm)			
Certifications	• FCC Class B	• Wi-Fi	• IC	• UL
<b>Warranty</b>				
Warranty	• Limited Lifetime <sup>3</sup>			
<b>Ordering Information</b>				
<i>Part Number</i>	<i>Description</i>			
DAP-2690	AirPremier® N Simultaneous Dual Band PoE Access Point			

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

<sup>2</sup> 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.

<sup>3</sup> Limited Lifetime warranty available only in the USA.

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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