D-Link®
Building Networks for People

dlink green™

Product Highlights

- Selectable Dual Band Connectivity for Increased Network Capacity
- Rugged Metal Chassis
- Ideal for Indoor Deployments*
- Plenum-rated Housing
- Traffic Control
- Internal RADIUS Server

DAP-2590

Wireless N Dual Band PoE Access Point

Key Features

Multiple Operation Modes
- Access Point
- WDS (Wireless Distribution System) /Bridge
- Point-to-Point
- Point-to-Multiple-Points
- WDS with AP
- Wireless Client

High Performance Connectivity
- IEEE Draft 802.11n Wireless
- Up to 300Mbps1

Trusted Security Features
- WPA2™ - Enterprise/Personal
- WPA™ - Enterprise/Personal
- WPA2 - PSK/AES over WDS
- 64/128-bit WEP Encryption
- MAC Address Filtering
- Network Access Protection (NAP)

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

Easy Management
- Web Browser (HTTP) & HTTPS
- Telnet
- SNMP v1, v2c, and v3
- AP Manager II
- SSH
- D-View 5.1 and 6.0
- AP Array

D-Link Green
- Wireless Scheduler

Overview

The D-Link DAP-2590 Wireless Dual Band PoE Access Point provides businesses with a solution for deploying next generation draft 802.11n local area networks (LANs). Designed specifically for business-class environments, this Access Point provides secure and manageable dual band wireless LAN options for network administrators.

Versatile Access Point

The D-Link DAP-2590 Wireless N Dual Band PoE Access Point provides businesses with a solution for deploying next generation draft 802.11n local area networks (LANs). Designed specifically for business-class environments, this access point provides secure and manageable dual band wireless LAN options for network administrators.

Enhanced Performance

The DAP-2590 delivers reliable wireless performance with maximum wireless signal rates of up to 300Mbps in either the 2.4GHz or 5GHz wireless band. Support for Traffic Control and the Wi-Fi Multimedia™ (WMM) Quality of Service feature, makes it an ideal access point for audio, video, and voice applications. Additionally, this Access Point supports load balance features to ensure maximum performance.

Security

To help maintain a secure wireless network, this Access Point 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 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.

This Access Point includes support for up to 8 VLANs for implementing multiple service set identifiers (SSIDs) to further help segment users on the network. The DAP-2590 also includes a wireless client isolation mechanism to limit direct client-to-client communication.

Additionally, the DAP-2590 supports Network Access Protection (NAP), which is a feature of Microsoft® Windows Server 2008. NAP allows network administrators to define multiple levels of network access based on the needs of individual clients. 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

The DAP-2590 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/Bridge (No AP Broadcasting) and Wireless Client. With WDS support, network administrators can set up multiple DAP-2590s throughout a facility and configure them to bridge with one another while providing network access to individual clients. Advanced features such as Load Balancing are also available, which optimises high network traffic volume, and redundancy for fail-safe wireless connectivity. Spanning Tree Protocol support allows greater efficiency and avoids broadcast storms when used in WDS mode.

Network Management

Network administrators have multiple options for managing the wireless N Dual Band PoE Access Point including Web (HTTP), Secure Sockets Later (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, the AP Manager II or D-View software provides network administrators with the means of verifying and conducting regular maintenance checks without wasting resources by sending personnel out to physically verify proper operation.

An AP array is also available, allowing the management with a set of network devices as a single group for easy configuration and deployment. In addition, the DAP-2590 has a Wireless Scheduler feature for power saving.

With the selectable dual band functionality, PoE support, plenum-rated chassis, extensive manageability, versatile operation modes, and solid security enhancements, the new D-Link DAP-2590 provides businesses with a solution for deploying a wireless network in the workplace.

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	• IEEE 802.11n • IEEE 802.11g • IEEE 802.3af • IEEE 802.3	• IEEE 802.11a • IEEE 802.3ab • IEEE 802.3u

Network Management	• Command Line Interface
	  - Telnet - Secure (SSH) Telnet
	• SNMP Support
	  - D-View Module - Private MIB
		• Web Browser interface
		  - HTTP - Secure HTTP (HTTPS)
		• AP Manager II
		• AP Array + Traffic Control

Security	• WPA™-Personal • WPA2™-Enterprise • 64/128-bit WEP • MAC Address Access Control • Internal RADIUS Server	• WPA™-Enterprise • WPA2™-Personal • SSID Broadcast Disable • Network Access Protection
Wireless Frequency Range[2]	• 2.4GHz (2.4GHz to 2.4835GHz)	• 5GHz (5.15GHz to 5.35GHz and 5.47GHz to 5.85GHz)
Operating Modes	• Access Point (AP) • WDS/Bridge (No AP Broadcast)	• WDS with AP • Wireless Client
LEDs	• Power • LAN	• 5GHz • 2.4GHz
Operating Voltage	• 48VDC +/- 10% for PoE or 5V2.5A	
Temperature	• Operating: 32°F to 104°F (0°C to 40°C)	• Storing: -4°F to 149°F (-20°C to 65°C)
Humidity	• Operating: 10% ~ 90% (Non-condensing)	• Storing: 5% ~ 95% (Non-condensing)
Certifications	• FCC • CE • C-Tick • IC • UL • Wi-Fi®	
Weight	• 1.68 lbs (762g)	
Dimensions (WxLxH)	• 6.5" x 1.38" x 7.38"	

[1] Maximum wireless signal rate derived from IEEE Standard 802.11g, 802.11a, and draft 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] Please note that operating frequency ranges vary depending on the regulations of individual countries and jurisdictions.
The DAP-2590 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 draft 2.0 802.11n specifications and is not guaranteed to be forward compatible with future versions of IEEE 802.11n specifications.
Compatibility with draft 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.

For more information: www.dlink.com