



## Wireless Solutions that Connect Businesses to Maximum Productivity

### Wireless



#### Advantages of D-Link Wireless Solutions for Business

- Breadth of options from stand-alone to cloud managed APs to managed wireless switches to unified wireless end to end solutions give you the flexibility to choose what's right for you.
- Innovation in architecture and design provides seamless roaming via automatic management of RF frequencies, interference and wireless 'hole' repair.
- Ease of installation and management with PoE support, unified management, monitoring and update of all APs and cloud management options.
- Networking expertise that comes from over 25 years of design and manufacturing experience in networking, storage, switching, wireless, IP Surveillance and security.

D-Link offers unified wireless networking solutions that enable small and mid-sized businesses to create highly mobile, highly productive work environments at a low total cost of ownership (TCO). With products that provide excellent value across a wide range of scenarios, D-Link wireless networks are scalable, easy to deploy and manage, and deliver reliable, secure connectivity, in a self-healing solution.

D-Link wireless solutions are engineered to open standards, making them easy to integrate into an existing multi-vendor wired or wireless infrastructure, giving you the flexibility to build your network the way you want.

#### Unified Wireless Simplifies Support

Unifying your wired and wireless offerings reduces the time and effort required for network diagnostics, troubleshooting, and day-to-day network management and maintenance tasks, which according to global IT research firm IDC® makes up approximately 70 percent of the total cost of ownership of a network.\*

Moving to a unified wireless approach is the best way to leverage the five-fold bandwidth increase offered by the 802.11n standard and the explosion of applications that require it. Your users will be more productive anywhere in the workplace with secure and glitch-free Voice over IP, eLearning, video conferencing, IP Surveillance and video from

business websites. Location-based asset management and voice badging are just two examples of the game-changing applications possible with a unified wireless network.

D-Link was first to deliver 802.11n and has a track record of helping customers move to the higher performance standard while lowering management costs and avoiding potential performance issues.

Having recognized early in the technology adoption cycle the value of wireless networks for business, D-Link introduced unified wireless switches and Access Points (APs) to enable the kind of efficiency and reliability you've achieved on your wired networks.

#### Manage Multiple Access Points with Ease

Legacy wireless that is layered on top of your wired infrastructure may require you to log into each AP to

\* *The Business Case for a Unified Wired and Wireless Solution, Randy Perry and Abner Germanow, IDC, August 2008*

Component	Application in a Unified Wireless Solution
Access Points	D-Link's unified wireless Access Points include models for indoor and outdoor deployment and feature modes that bridge gaps in coverage including Wireless Distribution System (WDS) with Access Point, WDS/Bridge (No AP Broadcasting), and Wireless Client.
Unified Wireless	Suitable for core or edge deployment to flexibly connect wireless Access Points. Unifies WLAN security, configuration and management into the high performance and lower TCO of unified D-Link networks.
Cloud Managed Access Points	Some IT organizations find the cost of a wireless switch prohibitive in smaller deployments. To ease installation and management in those scenarios, D-Link offers management from the cloud. Advanced D-Link APs self-configure and tap into Enable Networks service to simplify remote management and security of wireless outposts.

# D-Link®

25 YEARS  
of technology & innovation

## About D-Link

With over 25 years of building networks for businesses worldwide, D-Link's innovative technologies empower organizations to connect to more productivity, more security, and more opportunity. D-Link's award winning portfolio of products and services include IP Surveillance, switching, wireless, broadband, storage, and cloud-based network management. All designed for high performance, superior value and ease of use.

check its health and change configurations. All D-Link configurations provide management of multiple APs across multiple subnets with:

- Intuitive web UI for managing all APs
- Mass configuration and firmware upgrading by group
- Fault management
- Real-time monitoring and reporting

## A Better Switch for Wireless and RF Control

You can lower the number of points to manage even further with Access Points connected to switches with wireless controller capabilities. The wireless switch simplifies configuration and management while leveraging the centralized access security in place for the wired network. It provides reporting and troubleshooting including client association, security settings, AP utilization, AP channel usage, and rogue AP detection and mitigation.

D-Link wireless switches control RF configuration of connected APs, including channel selection and signal strength, automatically minimizing interference between APs and maximizing coverage within a building or campus. The same mechanism detects the failure of an AP and automatically raises the signal levels of adjacent APs to fill in the resulting wireless hole.

## Centralized Security

D-Link ties wireless into the security infrastructure and processes already in place for your wired infrastructure with necessary wireless accommodations including network and 802.1x authentication, rogue AP detection and mitigation, and portal support for guest wireless Internet access with the corporate network protected.

## Seamless Roaming and Scalability

D-Link wireless switches let users roam not just among APs but among APs connected to a

logical grouping of switches. As many as 256 D-Link Access Points supporting as many as 2000 WLAN clients can be connected by 8 logically stacked wireless switches to support seamless roaming throughout the largest of buildings and campuses, or even downtown metro areas.

Users do not need to re-authenticate their notebook, voice badge or smart phone as they roam, nor do they suffer from the performance bottleneck typical of centralized WLAN controllers.

## Ease of Installation

The wireless and PoE compatibility of D-Link's APs can eliminate the need to run electrical power. D-Link's plenum-rated business-class APs can be placed in drop ceilings without violating stringent fire regulations. Finally, a variety of Access Points for indoor and outdoor deployment feature modes that bridge the gaps including Wireless Distribution System (WDS) with Access Point, WDS/Bridge (No AP Broadcasting), and Wireless Client.

Some IT organizations find the cost of a wireless switch too high in smaller deployments. To ease installation and management in those scenarios, D-Link offers wireless controllers and management from the cloud. Advanced D-Link cloud APs self-configure and simplify remote management and security of wireless deployments.

## Professional Services

D-Link's Wireless Site Survey is the starting point for a successful wireless LAN upgrade or initial implementation. D-Link's wireless network expertise results in an accurate survey and documentation of the RF (Radio Frequency) characteristics of your facilities. An interview process is the next step to an equipment specification, placement and configuration plan that optimizes coverage and can handle the wireless, application and security demands of your business, now and in the future.

Call or visit the web address below for more information on the complete line of business products:

[www.dlink.com](http://www.dlink.com) | [www.dlink.ca](http://www.dlink.ca) | 888.331.8686 | Email: [getmore@dlink.com](mailto:getmore@dlink.com)