

D Hotel: Experiencing Seamless Wi-Fi Connectivity



Key Purchase Drives

■ Value

D-Link provided a complete wireless solution that is cost-effective, reliable and met the Hotel's business needs.

■ Service + Support

Together with D-Link's business partner, D-Link's team worked to execute and tune the network for the optimal performance.

■ Implementation

D-Link products could be integrated with third party server.

■ Performance

D-Link's 10G switches and wireless access points delivered fast, uninterrupted internet access with support to wireless devices.

Background

D Hotel is a 3-star hotel strategically located in the heart of a booming business center, making it the top-choice accommodation and event venue in Bandar Seri Iskandar, an emerging "University Town" in Perak, Malaysia. Built by Setia Awan Properties Sdn Bhd, one of the leading property developers with more than two decades of experience in the industry and over seven years of presence within Perak in Malaysia, it consists of 168 tastefully designed rooms with diversified room types to meet the needs of many while they are away from home.

The hotel's prime location in between Universiti Teknologi Petronas (UTP) and Universiti Teknologi MARA (UiTM) Perak Kampus makes it the most convenient hotel for visiting parents, professors, students and associates. Being interconnected with D Mall and within walking distance to the largest wholesale centre in northern Malaysia, Seri Iskandar Wholesale City, hotel guests are able to shop in comfort.

The hotel's facilities include an infinity swimming pool, a 170-seats restaurant, 8 function rooms with capacity of 30 to 600pax.

Business Challenges

D Hotel wanted to offer its guests seamless internet connectivity throughout its premises. The key areas include lobby, Level 3 to Level 7, function rooms, restaurant and the accommodation rooms.

Due to time constraint, D Hotel had less than 2 months to its opening ceremony to get the right wireless networking infrastructure.

Technical Challenges

D Hotel chose Yes, a brand under YTL Communications and a global front-runner in 4G Internet as the Internet Service Provider. On top of that, 4IPNET was chosen to cater for any internet access on demand by the hotel guests. Hence, the complete unified wireless solution had to be integrated with these chosen vendors.

D-Link professional team, together with our system integrator in Perak, did a site survey after meeting the hotel to discuss their expectation on the wireless implementation. The team found that a complete product integration, from access points, wireless controllers, switches to cables are required to ensure business productivity, efficiency and hotel guests' satisfaction in wireless experience.

D-Link Business Solutions

With 72 access points, centralised control and management of the access points was one of the key features of the overall solution proposed by D-Link. D Hotel was looking for a reliable brand that was internationally recognised for its performance and functionality despite its affordability.

D-Link's DWC-2000 Wireless Controller provides a centralized Wireless LAN management over the connected DWL-2600APs. Features such as auto-managed AP discovery and single-point management allow D Hotel to achieve enterprise class networking without the burden of executing massive and complex configurations. The guest account generation function manages guest user bandwidth and accessibility to



network resources. With a robust and comprehensive security detection system, the DWC-2000 manages associated APs by blocking potential attacks from unauthorized users and appliances, which is particularly crucial in a wireless environment such as D Hotel. With pre-authentication, key caching and the Fast Roaming feature, hotel guests can freely move about the hotel property without losing the Wi-Fi connection.




The DWL-2600AP Indoor Access Points are designed to meet the business needs of companies of all sizes. Its low profile and sleek design means it can be deployed in a variety of business environments. These access points can work in standalone mode for initial deployment and then augmented by adding D-Link's Unified Switch solutions like the DWC-2000 Wireless Controller and DGS-1510-28P 28-Port Gigabit Stackable PoE Smart Managed Switches to provide centralised wireless LAN management. Incorporating the latest generation of Wireless N technology, the DWL-2600AP delivers great wireless performance and coverage in a compact design without breaking the bank.

D-Link PoE-capable DGS-1510-28P switches come with 10G capability plus additional fibre ports for physical stacking or uplinks. They provide additional flexibility for businesses looking to power IP phones, wireless access points, or IP cameras using existing network infrastructure. The combination of high bandwidth connections and PoE support make the DGS-1510-28P ideal for small and medium business environments.

Benefits

Seamless roaming through every floor, AP configuration and centralised management, automatic power or channel adjustment and its ease of management are the added benefits to D Hotel's wireless networking solution. Its interoperability with third party hotspot server helped D Hotel to reduce any additional investment for the solution.

The D-Link solution has clearly enhanced the experience of the hotel guests who are connected at all times.

	<p>DWC-2000 Unified Wireless Controller</p>	<ul style="list-style-type: none"> - 10/100/1000BASE-T/SFP Combo ports X 4 - USB 2.0 ports X 2 and RJ-45 Console port - Manage up to 64 access points (by default) - Upgradable to 256 access points - Manage up to a max. of 1,024 access points in a controller cluster
	<p>DWL-2600AP Unified Wireless N300 PoE Access Point</p>	<ul style="list-style-type: none"> - Wireless performance of up to 300 Mbps - Self-configuring cluster for easy provisioning - Up to 8 virtual access points (VAP) can be created from a single unit - Load balancing to optimise high network traffic volume and redundancy
	<p>DGS-1510-28P Layer 3 Lite Gigabit Stackable PoE Smart Managed Switches</p>	<ul style="list-style-type: none"> - 10/100/1000BASE-T ports X 24 - SFP ports X 2 - 10 Gigabit SFP+ ports X 2 - 802.3af (PoE) and 802.3at (PoE+) support - 193 W PoE power budget