

**Ideal for Deploying Multiple Public Networks**

- Creates Multiple Public Networks with 10 Different Authentication Policies
- Keeps Private Network Secured
- Attach Access Points for Instant Wireless Connectivity, Supports Inter-IP-Segment Roaming
- Supports 802.1q VLAN Tags
- Dual Gigabits WAN Ports for Increased Bandwidth Aggregation

Optimal Network Performance

- Supports up to 500 Concurrent Online Users
- WAN Failover
- 802.3ad Link Aggregation Support

Advanced User Management

- Bandwidth Management
- URL Redirection
- Customizable User Timer
- Traffic Monitoring
- Policy Enforcement

Multiple Authentication Methods

- Internal User Database
- Supports RADIUS and 802.1x
- LDAP, NT Domain
- POP3
- Web Server (HTTP, HTTPS)

Complete Security

- Supports NAT
- Supports IPSec, PPTP, and H.323 Pass-Through
- DoS Protection
- MAC Address Filtering
- IP Address Filtering

Easy Management

- Web Browser (HTTP or HTTPS)
- SNMP v2 (Read-Only)
- SSH
- CLI

Service gateway for public access networks

Overview

The DSA-6100 is a business-class wireless service gateway designed to segment public and private network infrastructures. By adding a managed switch to the integrated public port, network administrators can deploy several public networks over a large-scale establishment such as a university campus or resort. Using the private port on the DSA-6100, the backend private network can remain completely separate and secure from public access, appropriate for environments such as central offices, hotels, food chains, museums, hospitals, communities, Hot Spots, and campus operation centers.

High Scalability, Availability, and Flexibility

To optimize and maintain network up time and performance, the DSA-6100 Access Controller has two built-in WAN ports that support link failover to provide Internet connection redundancy. In the event where a connection to an ISP fails, the second link configured and connected to a second ISP will take over the role in ensuring that Hot Spot customers maintain uninterrupted Internet access. The DSA-6100 helps in managing wireless and wired network access for multi-level users by providing customizable solution, comprehensive security features, effective user management, integrated wireless access, and flexible accounting engine. In addition, the DSA-6100 access gateway also supports many WAN connection types, including static, dynamic, and PPPoE Client.

Bandwidth Control, Secured Access, and up to 500 Concurrent Users

The DSA-6100 Wireless Access Controller offers several advanced features to help manage and support up to 500 concurrent users online at any time. It provides comprehensive user management controls, simultaneous internal and external user authentication, role-based and policy-based access control, and supports detailed per-user traffic analysis reporting for monitoring bandwidth. The DSA-6100 supports multiple authentication methods, such as POP3, RADIUS, LDAP, internal user database, and external Web (HTTP or HTTPS) authentication, and with support for 802.1q VLAN tagging, different authentication policies can be used per administrator-assigned VLAN networks for maximum security. In addition, VLAN tagging also helps to segment and prioritize incoming traffic. With integrated DHCP server and firewall Denial of Service (DoS) Protection, the private network can also be safeguarded from malicious attacks and hackers.

Ease of Management

Network administrators can manage the DSA-6100 and all of its features via web-based, CLI, SSH or SNMPv2 management interfaces. With a wide array of convenient management utilities, the D-Link DSA-6100 Wireless Access Controller is an efficient and powerful hotspot solution.



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Technical Specifications

Hardware	<p>Form Factor: 19" 1U Rack Mount Dimensions (W x D x H): 426 mm x 270 mm x 44 mm Weight: 6 kg Power: 90~264 VAC, 47~63 Hz Operating Temperature: 0 °C to 40 °C WAN Ports: 2 x Gigabit Ethernet (10/100/1000) LAN Interfaces: 2 x Gigabit Ethernet (10/100/1000) Console Port: 1 x RS-232 DB9 LED: 1 x Power , 1 x Link Status , 4 x Ethernet Connection 16 Characters x 2 Lines LCD Panel Certifications: CE, FCC</p>
Network	<p>Bridge, Router, NAT mode VLAN Tagging (IEEE 802.1q) Link Aggregation (IEEE 802.3ad) Static IP, DHCP, PPPoE, Bridge Mode on WAN interface Controllable LAN ports requiring authentication IP Plug and Play (IP PnP) Inter-IP-Segment Roaming Built-in DHCP Server and supports DHCP relay NAT:</p> <ul style="list-style-type: none"> ▪ IP/Port Destination Redirection ▪ DMZ Server Mapping ▪ Virtual Server Mapping ▪ H.323 Pass-Through <p>Static Route Walled Garden (free surfing zone) MAC Address Pass-Through HTTP Proxy</p>
Security	<p>VPN Pass-Through (IPSec and PPTP) DoS attack prevention MAC Access Control List User Black List Allows MAC address and user identity binding for local user authentication</p>
User Management	<p>Up to 500 concurrent users Up to 2500 local accounts Up to 2000 on-demand, instant guest accounts Simultaneous support for multiple authentication methods (Local and On-demand accounts, POP3(S), LDAP, RADIUS, NT Domain) Role-based and policy-based access control (per-role assignments based on Firewall policies, Routing, Login Schedule, Bandwidth) User Session Management:</p> <ul style="list-style-type: none"> ▪ SSL protected login portal page ▪ Supports multiple logins with one single account ▪ Session idle timer ▪ Session/account expiration control ▪ Friendly notification email to provide a hyperlink to login page



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	<ul style="list-style-type: none"> ▪ Windows domain transparent login ▪ Configurable login time frame
Monitoring and Reporting	<p>Online status monitoring of users IP-based monitoring of devices WAN connection failure alert Syslog information for diagnosing and troubleshooting Support for external Syslog server</p>
Billing and Accounting	<p>RADIUS accounting, RADIUS VSA (Vendor Specific Attributes) API for Micros-Fidelio PMS (Property Management System) Built-in billing profiles for on-demand accounts Session expiration control for on-demand accounts by time (hour) and data volume (MB) Traffic history report in an automatic email to administrator</p>
System Administration	<p>Web-based management UI Customized login and logout portal page SSH remote management Remote firmware upgrade NTP time synchronization Console administration interface Configurable file backup and restore Backup and restore of system configuration</p>

Ordering Information

Part Number	Description
DSA-6100/A	Wireless Access Controller - 1U Appliance with 4-port 10/100/1000Base-T, 2*WAN and 2*LAN ports respectively (A=USA)
DSA-6100/B	Wireless Access Controller - 1U Appliance with 4-port 10/100/1000Base-T, 2*WAN and 2*LAN ports respectively (B=UK)
DSA-6100/C	Wireless Access Controller - 1U Appliance with 4-port 10/100/1000Base-T, 2*WAN and 2*LAN ports respectively (C=CN)
DSA-6100/E	Wireless Access Controller - 1U Appliance with 4-port 10/100/1000Base-T, 2*WAN and 2*LAN ports respectively (E=EUR)
DSA-6100/J	Wireless Access Controller - 1U Appliance with 4-port 10/100/1000Base-T, 2*WAN and 2*LAN ports respectively (J=JAPAN)
DSA-6100/K	Wireless Access Controller - 1U Appliance with 4-port 10/100/1000Base-T, 2*WAN and 2*LAN ports respectively (K=KOREA)
DSA-6100/N	Wireless Access Controller - 1U Appliance with 4-port 10/100/1000Base-T, 2*WAN and 2*LAN ports respectively (N=AUS)