



### Ideal for Deploying Multiple Public Networks

- Creates Multiple Public Networks with 10 Different Authentication Policies
- Keeps Private Network Secured
- Supports 802.1q VLAN Tags
- Dual Gigabits WAN Ports for Increased Bandwidth Aggregation

### Optimal Network Performance

- Bridge, Router and NAT Modes
- Configurable Static Route and Policy Route
- Supports up to 500 Concurrent Online Users
- WAN Failover on dual WAN ports
- Link Bonding on dual WAN Support

### Advanced User Management

- Support for multiple authentication methods (Local, RADIUS, NT Domain, LDAP, and POP3(S)) simultaneously
- Easy guest access management
- Role-based and policy-based access control
- User traffic history log

### Centralized AP Management

- Centralized remote control of APs
- Automatic discovery of manageable APs
- Roaming between AP without re-login
- Remote status monitoring
- System alarms and statistics reports

### Easy Management

- Web Browser (HTTP or HTTPS)
- SNMP v2 and V3
- Menu driven console interface for basic administration and monitoring

## 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, and basic functions via console port and remote SSH, SNMP management interface is also available. 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	
Network	Bridge, Router, NAT mode VLAN Tagging (IEEE 802.1q) Static IP, DHCP or PPPoE on WAN1 interface Static IP or DHCP on WAN2 interface Link Fail-over or Bonding on Dual WAN interfaces IP Plug and Play (IP PnP) Inter-IP-Segment Roaming (Mobile IP) Cross-Subnet Login DHCP server and DHCP relay Dynamic DNS Internal/External HTTP Proxy
Security	VPN Pass-Through (IPSec and PPTP) MAC Access Control List Allows MAC address and user identity binding for local user authentication NAT, NAPT: <ul style="list-style-type: none"> <li>IP/Port Destination Redirection</li> <li>DMZ Server Mapping</li> <li>Virtual Server</li> <li>H.323 Pass-Through</li> </ul> Configurable firewall policies based on TCP/UDP/ICMP protocols, port, source MAC address, source/destination IP or Network DoS attack prevention HTTP & DNS Service Protection Support User session limit (10, 25, 50, 100, 200, 350, 500, and unlimited sessions) VLAN Isolation Support
AP Management	Number of Managed APs: 50 Types of Managed APs: <ul style="list-style-type: none"> <li>DWL-2100AP: v2.20eu, v2.20na, v2.30eu, and v2.30na (hardware version A4)</li> <li>DWL-3200AP: v2.30 (hardware version B1)</li> <li>DWL-8200AP: v1.20 (hardware version A2)</li> </ul> Automatic discovery and listing of managed APs Configuration templates for Managed APs Monitor Managed APs' info: Real-time Stat, Name, Type, Report Time, SSID, No. of associated clients Monitor Managed APs' RF info: Report Time, SSID, Beacon Interval, RTS Threshold, Channel, Transmission Rate, Preamble Type Monitoring associated client stations' info: MAC Address, Username, No. of Send/Receive Packets, 802.11 Mode, Power Saving Mode Centralized AP management: Built-in firmware store, remote bulk upgrade System alarms and status reports on managed APs
Monitoring and Reporting	Online status monitoring of users Monitoring of IP-based network devices (online or offline) WAN connection failure alert Support Syslog
User Access Management	Support for multiple authentication methods (Local, RADIUS, NT Domain, LDAP and POP3(S)) simultaneously Role-based and policy-based access control



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	<p>User Session Management:</p> <ul style="list-style-type: none"> <li>▪ HTTP/HTTPS login page</li> <li>▪ Multiple logins with one single account</li> <li>▪ Session idle timer</li> <li>▪ Single sign-on with Windows NT domain</li> <li>▪ Firewall Policy</li> <li>▪ Static Route Policy</li> <li>▪ Schedule Policy</li> <li>▪ Bandwidth Limitation</li> </ul> <p>Walled Garden (free surfing zone)  MAC Address Pass-Through and IP Address Pass-Through, MAC Access Control List  User Black List  MAC address and user identity binding for local user authentication</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 Management	<p>Web-based management UI with three levels of management  Customized login and logout portal page  Https remote management  SNMP v2/v3  Remote firmware upgrade  NTP time synchronization  Console management interface support  Backup and restore of system configuration</p>														
Capacity and Performance	<table> <tr> <td>Concurrent Users</td><td>500</td></tr> <tr> <td>Local Accounts</td><td>2500</td></tr> <tr> <td>On-demand, instant guest accounts</td><td>2000</td></tr> <tr> <td>Managed Access Points</td><td>50</td></tr> <tr> <td>Monitored IP-based network devices</td><td>40</td></tr> <tr> <td>MAC Address Pass-Through</td><td>100</td></tr> <tr> <td>IP Address Pass-Through</td><td>100</td></tr> </table>	Concurrent Users	500	Local Accounts	2500	On-demand, instant guest accounts	2000	Managed Access Points	50	Monitored IP-based network devices	40	MAC Address Pass-Through	100	IP Address Pass-Through	100
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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  Operating Temperature: 0 °C to 40 °C  Power: 90~264 VAC, 47~63 Hz</p>														
Connectors and Display	<p>WAN Ports: 2 x Gigabit Ethernet (10/100/1000 Mbps)  LAN Interfaces: 2 x Gigabit Ethernet (10/100/1000 Mbps)  Console Port: 1 x RS-232 DB9  LED Indicators: 1 x Power , 1 x Status , 1 x Hard Disc, 4 x Ethernet Connection  16 Characters x 2 Lines LCD Panel</p>														
Certifications	<p>CE, FCC, VCCI &amp; RoHS</p>														



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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)