

## DSA-3100



**Airspot**<sup>™</sup>

## Public/Private Gateway

### FEATURES

#### Create and Manage Hotspot Services

- Attach Access Points for Instant Wireless Connectivity
- Keeps Private Network Secure
- Supports up to 50 Online Users Simultaneously

#### Protects Existing Network from Public Access

- Integrated DHCP Server
- NAT Firewall
- Denial of Service (DoS) Protection
- MAC Address Filtering
- IP Address Filtering

#### Positive Hotspot User Experience

- Convenient Login/Logout Web Interface
- IP Plug & Play – No IP Reconfiguration Required
- No Credit Card Authentication Required

#### Advanced User Management

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

#### Multiple Authentication Support

- Internal User Database
- RADIUS
- LDAP
- POP3
- AAA

#### Easy Management

- Web Browser (HTTP or HTTPS)
- CLI

#### Recommended Accessory

- DSA-3100P Ticket Printer

D-Link, the industry leader in innovative networking solutions, introduces the *Airspot* family of service gateway products. With the increasing number of telecommuters and road warriors, Wi-Fi enabled hotspots have spread across the country to accommodate the need for on-demand Internet access. The D-Link Airspot DSA-3100 Public/Private Gateway provides business owners a simple solution for adding public Internet service to their establishment while still maintaining the integrity of their existing network.

The DSA-3100 is a secure gateway designed to create two distinct networks through its integrated public and private ports. By adding a wireless access point to the public port on the DSA-3100, customers and patrons can connect to a free or fee-based broadband Internet connection. Through the private port, hotspot operators can be assured their private and confidential information is secured from public access. And depending on the establishment size and network deployment needs, hotspot operators can add switches and access points to expand their networks to provide full wireless coverage.

Business owners maintain full control over their hotspot service using the DSA-3100's wide variety of advanced features. This gateway manages up to 250 user accounts in its internal database and supports at least 50 users online at any time. Additional features include user bandwidth control, network policy enforcement, customizable user timer, login/logout web-page, online traffic monitoring, and URL redirection. The DSA-3100 also supports NAT IP Plug & Play (PnP) which allows any networkable computer to connect to the Internet without having to change their static IP configurations.

In order to prevent unauthorized users from accessing your public hotspot services, the DSA-3100 supports Authentication, Authorization, and Accounting (AAA) to ensure all connecting wireless users have been granted access. The DSA-3100 also supports POP3, RADIUS, and LDAP external authentication for larger-scale hotspot networks. For the private network, the integrated DHCP server and firewall with Denial of Service (DoS) Protection safeguards the network from malicious attacks and hackers.

Hotspot operators can easily manage the DSA-3100 unit and all its provided features via its Web-based configuration utility. The user-friendly interface is intuitive enough for anyone managing the hotspot establishment to use and reconfigure settings if necessary.

Whether the location is a coffee shop, airport terminal, bookstore, or resort, business owners can maximize their network investment using DSA-3100 Public/Private Gateway to provide their customers with the value-added service of a public hotspot network.

## Specifications

### Software

#### Firewall Mode of Operation

- NAT
- Router
- Specific Route Profiles
- Dynamic NAT (IPPNP)

#### User Management

- Up to 50 Concurrent Online Users
- Customizable User Logout timer
- Guest Account Access
- Login Schedule Policies
- Authentication
  - RADIUS
    - Local (Internal) Database
    - LDAP
  - POP3
  - External HTTP
  - External HTTPS
- Accounting
  - RADIUS
    - Internal Database
- Local (Internal) Database
  - Store Up to 250 Users
  - MAC Access Control List
- On-Demand User Database
  - Generate Up to 2000 Users
  - Account Balance Reminder
  - Configurable User Expiration
  - Requires External Ticket Printer (DSA-3100P)
- Online User Monitoring
- Group-Based Rate Limiting

#### Security

- Public LAN
  - User Authentication
- Private LAN
  - No Authentication
- 802.1x
- Single User Authentication Policy
- Customizable Walled Garden
- Secure User Login (SSL)
- IP/MAC Authentication Pass-through
- Upload Custom SSL Key and Certificate
- DoS Protection
  - NMAP FIN/URG/PSH
  - Xmas Tree
  - SYN/RST
  - Ping of Death
  - Null Scan
  - SYN/FIN

#### Network

- NTP Client
- DMZ Mapping
- Virtual Server Mapping
- HTTP Proxy (External)
- Destination IP/Port Redirect
- Multiple DHCP Server
- RADIUS Client (PAP or CHAP)
- NAT Pass-through Support
  - IPsec (ESP)
  - PPTP/L2TP
  - H.323
- WAN Connection Type
  - DHCP Client
  - Static IP
  - PPPoE Client

#### Administration

- Web-based Management
- Serial Console Management
- SSH Remote Management
- SSL Protected Administration Interface
- SNMP v2c (read-only)
- External SYSlog Support
- Remote Firmware Update
- WAN Fail Function
- IP Monitor Function (ICMP)
- Admin and History E-mail

#### Standards

- 802.1x (EAP-MD5/EAP-TLS)
- 802.3u

#### Physical & Environmental

##### Interfaces

- WAN: 10/100BASE-TX port
- LAN: 10/100BASE-TX port
- DMZ: 10/100BASE-TX port
- Console Port: RS-232 Serial COM port

##### Diagnostic LEDs

- Power
- Status
- WAN Link
- WAN Activity
- Private LAN Link
- Private LAN Activity
- Public LAN Link
- Public LAN Activity

##### Power Input

- External Power Supply 5 VDC, 3 Amps

##### Dimensions

- 9.21" L x 6.33" W x 1.38" H

##### Weight

- 0.9 lbs

##### Temperature

- Operating: 41° to 113° F
- Storage: -13° to 131° F

##### Humidity

- 5% to 95%

##### Emission (EMI)

- FCC Class A
- CE Class A
- VCCI Class A
- C-Tick Class A

##### Safety

- UL
- CSA
- TUV/GS
- T-mark

##### Warranty

- 1 Year