

ai rPoint^{PRO} Outdoor

Wireless Access Point



Long Range - Like never before.

HyperGain® HGV-2409U

2.4 GHz 8.5 dBi Omnidirectional Antenna

High Performance

The HyperGain® Model HGV-2409U is an economical yet high performance omnidirectional antenna designed for the 2.4 GHz ISM band. This compact and lightweight antenna is ideally suited for IEEE 802.11b/g wireless LANs, Bluetooth and other multipoint applications where wide coverage is desired.

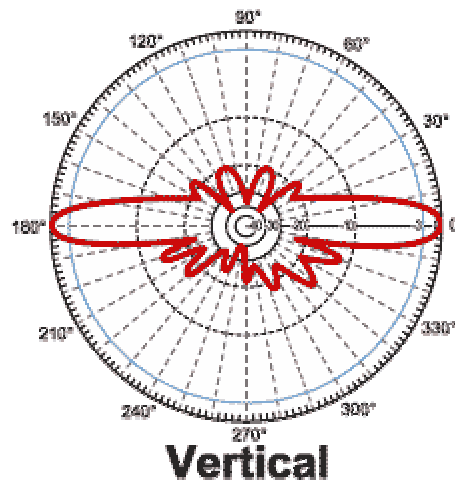
Versatile and Economical

This antenna features an integral N-Female bulkhead type connector that mounts directly to the included bracket or through the wall of an equipment enclosure. The antenna mounting system consists of a heavy-duty steel bracket and a pair of U-bolts, allowing installation on masts up to 2.0" in diameter.

Electrical Specifications

Model	HGV-2409U
Frequency	2400-2500 MHz
Gain	8.5 dBi
Polarization	Vertical
Vertical Beam Width	15°
Horizontal Beam Width	360°
Impedance	50 Ohm
Max. Input Power	50 Watts
VSWR	< 1.5:1 avg.
Weight	1.1 lbs. (0.5 kg)
Length	20 in. (0.5 m)
Radome Material	White Fiberglass
Mounting	2.0" diameter mast max.
Wind Survival	>150 MPH
Operating Temperature	-45° C to +80° C
Connector	Integral N-Type Female (Bulkhead type)

Antenna Gain Patterns



Guaranteed Quality

All HyperGain® antennas are backed by Hyperlink's Limited Warranty.



Create a Wired or Wireless Hotspot

DSA-3100



- Creates a Public and Private Network Simultaneously
- User Bandwidth and Access Control
- Built-in DHCP Server and Advanced Firewall
- Supports RADIUS/POP3/LDAP and Local User Authentication

Express EtherNetwork™ Public/Private Hotspot Gateway

D-Link, the worldwide leader in innovative networking products, now provides a simple and cost-effective way for any business to create a wired or wireless hotspot. The new *D-Link DSA-3100 Public/Private Hotspot Gateway* is an Ethernet-based gateway specifically designed to provide free or fee-based broadband connection to the public or to a company's employees while at the same time, providing a separate and secure private network that shares the same Internet connection. If your business relies on public patronage, now you have a way to give customers access to the Internet, or to networked printers and other resources. If you're a private company that wants to offer wireless Internet access for your employees, you can do so with the confidence that you're still maintaining a secure private network that a wireless user will never see. Connect a D-Link wireless access point to the DSA-3100 and you've got a wireless hotspot. Connect a D-Link switch and now your back office computers and printers can share the same broadband connection.

The DSA-3100 is a Network Access Control System (NACS) that intelligently manages Authentication, Authorization and Accounting (AAA) for all wired and wireless network users. The gateway manages up to 250 user accounts in its internal database and supports at least 50 users on-line at any time. The DSA-3100 also supports POP3, RADIUS, and LDAP external

authentication for larger-scale hotspot networks. Other features IP plug and play, user bandwidth control, network policy enforcement, customizable user timer, login/logout web-page, on-line traffic monitoring, and URL redirection provide a number of different ways for your company to configure and manage your hotspot as either as a free or revenue-generating service.

The DSA-3100 includes a built-in DHCP server and a built-in high-speed routing engine, an easy-to-use web-based graphical user interface (GUI) with SSL protection to securely and quickly configure the device. Configuration is also capable through the device's RS-232 console port. To prevent unwanted Internet intruders from accessing your network, the DSA-3100 has a built-in Security Firewall with Denial of Service (DoS) prevention. With IP PnP (Plug and Play) and IP/port redirection provided by the DSA-3100, users connecting to the hotspot don't need to re-configure their computer's settings to send or retrieve e-mail or access the Internet.

In a matter of just a few minutes, your business or organization can provide a wired or wireless hotspot while still maintaining a private network that the public will never see. Whether you're a sole proprietor, a merchants association, a small company, a school, a church, a public library the DSA-3100, together with an access point or a switch, is your instant hotspot solution.



Express EtherNetwork™

Public/Private

Service Gateway



DSA-3100

TECHNICAL SPECIFICATIONS

Interface:

- One 10/100Mbps WAN port
- One 10/100Mbps Local Network (private network) port
- One 10/100Mbps Authentication (public network) port
- One RS-232 Serial Console port

Protocol Supported:

- TCP/IP
- UDP
- NAT/NAPT
- DHCP client/server
- DNS
- POP3
- LDAP
- RADIUS
- HTTP
- HTTPS

LEDs:

- Power indicator
- WAN port indicator
- Local (private) Network port indicator
- Authentication (hotspot) port indicator

Power Supply:

DC 5V/3A

Operating Temperature:

0C - 50C

Storage Temperature:

-25C - 55C

Dimensions:

- H = 45mm
- D = 163mm
- W = 215mm

EMI Certification:

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

Safety:

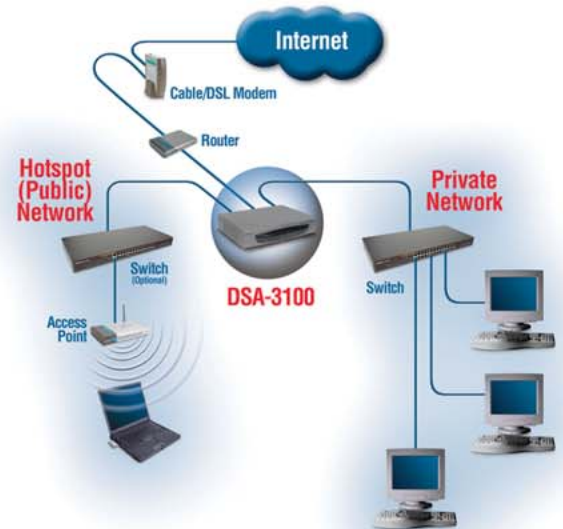
- UL
- CSA
- TUV/GS
- T-Mark

Package Contents:

- D-Link DSA-3100 Service Gateway
- CD-ROM (containing Manual & Warranty)
- Quick Installation Guide
- Two (2) CAT5 UTP/Straight-through Ethernet cables
- One (1) CAT5 UTP/Cross-over cable
- One (1) RS-232 Console cable
- 5V DC, 3A Power Adapter

Warranty:

1 year



Advanced Firewall Features

Built-in NAT firewall	✓
IP based Access Control	✓
Denial of Service (DoS) Protection	✓
MAC Filtering	✓
Scheduling	✓

