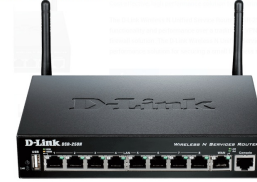


D-Link DSR-250N Wireless N Unified Service Router



## D-Link DSR-250N Wireless N Unified Service Router Specifications And Datasheet

[Home](#) » [Support](#) » D-Link DSR-250N Wireless N Unified Service Router Specifications And Datasheet 

### Contents

- [1 D-Link DSR-250N Wireless N Unified Service Router](#)
- [2 Product Highlights](#)
- [3 VPN Routers](#)
  - [3.1 Features](#)
- [4 Overview](#)
- [5 Limited Lifetime Warranty](#)
- [6 Web Content Filtering for HTTP/HTTPs](#)
- [7 Secure VPN Network Implementation](#)
- [8 Dual WAN for Redundant Internet](#)
- [9 Specifications](#)
- [10 FAQs](#)
- [11 References](#)
- [12 Related Posts](#)

# D-Link

**D-Link DSR-250N Wireless N Unified Service Router**



## Product Highlights

- **Comprehensive Management Solution**

Advanced features such as WAN failover, load balancing, and integrated firewall help make this a reliable, secure, and flexible way to manage your network.

- **Complete VPN Features**

Fully featured VPN as well as IPSec hub-and-spoke technology helps create secure communications between mobile employees and offices.

- **Web Authentication Capabilities**

Captive Portal helps allow employees and guest users to be easily authenticated and authorized by accessing customized landing pages.

## VPN Routers

### Features

### High-Performance VPN

- Protocols
- IPSec, PPTP/L2TP, GRE, SSL, OpenVPN
- VPN Tunnels
- DES, 3DES, AES, Blowfish, Twofish, CAST128
- Hub and Spoke

### Enhanced Network Service

- IPv6
- IEEE 802.11q VLAN
- Multiple SSIDs
- Port Monitoring/Bandwidth Control

- IGMP Proxy, IGMP Snooping
- Web Content Filtering
- Web Authentication Capabilities

## **Wireless Access and Security (DSR-1000AC)**

- IEEE 802.11 a/b/g/n/ac1
- IEEE 802.1x RADIUS Authentication with EAP-TLS, EAP-TLLS, EAP-PEAP
- WPS, WEP, WPA-PSK, WPA-EAP, WPA2-PSK, WPA2- EAP

## **Fault Tolerance**

- WAN Traffic Failover & Outbound Load Balancing

## **Overview**

The D-Link DSR Series VPN Routers provide high-performance networking solutions to address the growing needs of small and medium businesses. The DSR series routers offer high performance and advanced security features to help ensure employees can access their files securely from anywhere they are working. Next generation wireless performance is also available on the DSR-1000AC, which supports the IEEE 802.11ac wireless standard.

### **• Comprehensive Management Capabilities**

The DSR-500 and DSR-1000AC VPN Routers include dual WAN Gigabit Ethernet ports to provide high availability for the WAN or Internet connections. Traffic can be load-balanced across links with Outbound Load Balancing, increasing the performance and availability of business applications. The secondary WAN port can also be used to create a DMZ, isolating servers from the LAN.

### **• Web Authentication Capabilities**

Captive Portal helps allow employees and guest users to be easily authenticated and authorized by accessing a customized landing page. Users can be authenticated by a local database, RADIUS, LDAP, Microsoft Windows Active Directory, NT Domain and POP3 server. A maximum of four servers can be configured at any one time.

### **• Complete and Robust VPN Features**

A fully featured virtual private network (VPN) helps provide mobile workers and branch offices with a secure link to the network. The DSR series routers are capable of Secure Sockets Layer (SSL) VPN tunnels, as well as Generic Routing Encapsulation (GRE) tunnels, empowering mobile users by providing remote access to a central corporate database. Site-to-site VPN tunnels use IP Security (IPSec) Protocol, Point-to-Point Tunneling Protocol (PPTP), or Layer 2 Tunneling Protocol (L2TP) to help facilitate branch office connectivity through encrypted virtual links. OpenVPN allows mobile users to connect to the corporate intranet via encrypted links with their PC, laptops, or mobile devices.

### **• Static and Dynamic Web Content Filtering**

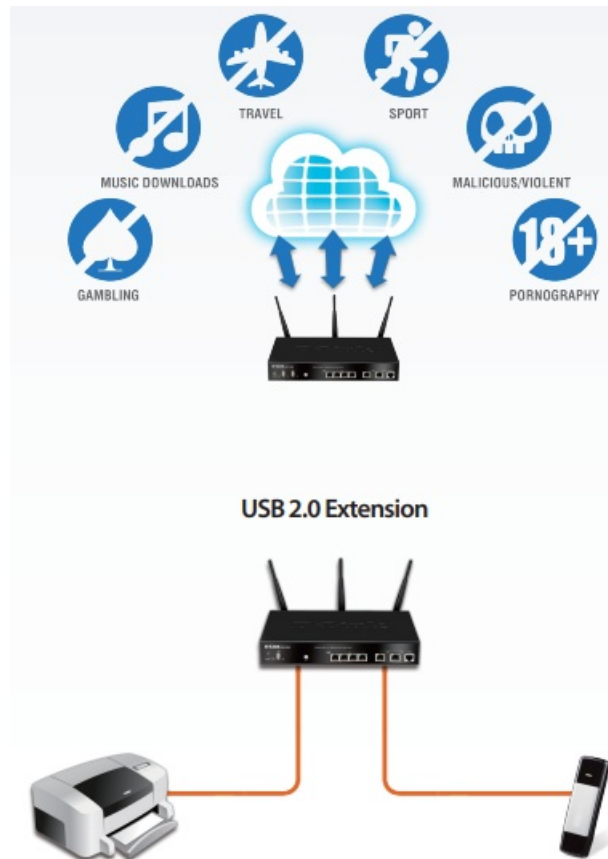
The DSR series also provides a web content filtering feature to help administrators monitor, manage, and control employees' Internet usage. Static web content filtering helps to remove malicious objects such as Java applets, ActiveX, and cookies, or to block URLs by keyword. Dynamic Web Content Filtering, which requires a license subscription, helps to allow administrators to filter content from a list of categories. Multiple global index

servers, with millions of URLs and real-time website data, help to enhance performance and maximize service availability. Dynamic Web Content Filtering trial period is free for the first three months.

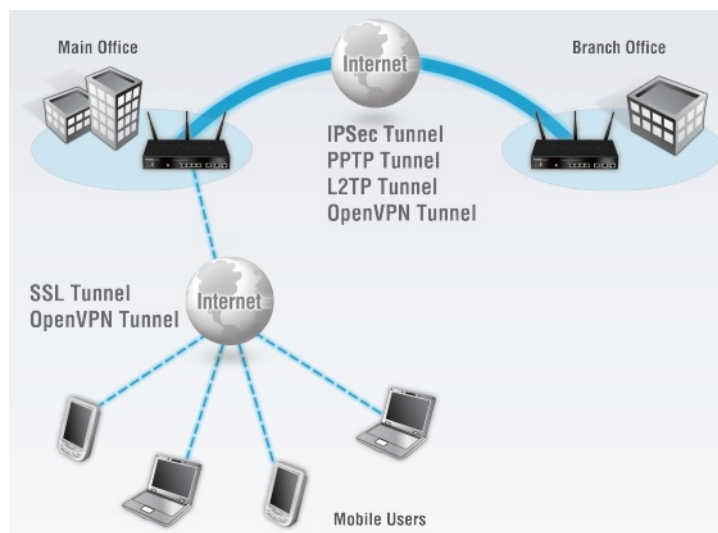
## Limited Lifetime Warranty

D-Link offers a Limited Lifetime Warranty on the DSR Series VPN Routers to further its commitment to product quality and long-term customer confidence.

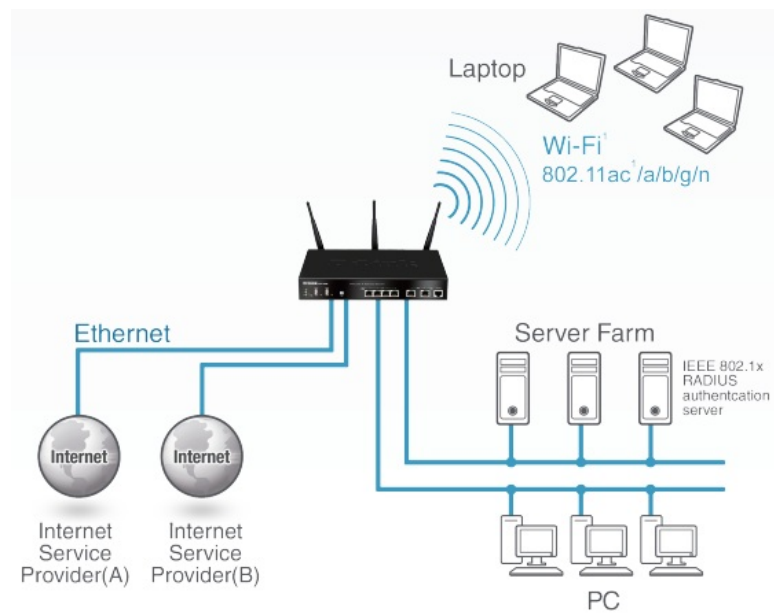
## Web Content Filtering for HTTP/HTTPS



## Secure VPN Network Implementation



## Dual WAN for Redundant Internet



## Specifications

General	DSR-250
Hardware Version	A4
Ethernet Ports	1 10/100/1000 Mbps WAN 8 10/100/1000 Mbps LAN
Wireless Interface	-
USB 2.0	1
Console	RJ-45
Performance <sup>6</sup>	
Firewall Throughput <sup>6</sup>	750 Mbps
VPN Throughput (3DES) <sup>7</sup>	50 Mbps
Concurrent Sessions	20,000
New Sessions (per second)	200
Firewall Policies	200
Internet Connection Typ	
Static/Dynamic IP	Yes
PPoE/L2TP/PPTP	Yes
Multiple PPoE	Yes
Firewall System	
Static Route	Yes
Dynamic Route	-
Dynamic DNS	Yes
Inter-VLAN Route	Yes
NAT, PAT	Yes
Web Content Filtering	Static URL, Keywords, Dynamic WCF (License is required)
Intrusion Prevention Systems (IPS)	Signature package included in Firmware
Authentication	Internal User Database, Radius, POP3, LDAP, AD, NT Domain

Networking	
DHCP Server/Client	Yes
DHCP Relay	Yes
IEEE 802.1q VLAN	Yes
VLAN (Port-Based)	Yes
IP Multicast	IGMP Proxy IGMP Snooping
IPv6	Yes
Route Failover	-
Outbound Load Balancing	-

Wireless <sup>1</sup>	DSR-250
Multiple Service Set Identifier (SSID)	-
Service Set Identifier (SSID) to VLAN Mapping	-
Standard	-
Wireless Security	-
Virtual Private Network	
VPN Tunnels (Total)	75
IPSec Tunnels	25
SSL VPN Tunnels	5
PPTP/L2TP Clients	25
GRE	10
OpenVPN Tunnels	10
Encryption Methods	DES, 3DES, AES, Twofish, Blowfish, CAST-128, NULL
SSL Encryption Methods	RC4-128, 3DES, AES

IPSec/PPTP/L2TP Server/ OpenVPN Server	Yes
IPSec NAT Traversal	Yes
Dead Peer Detection	Yes
IP Encapsulating Security Payload (ESP)	Yes
IP Authentication Header (AH)	Yes
VPN Tunnel Keep Alive	Yes
Hub and Spoke	Yes
Bandwidth Management	
Max. Bandwidth Control	Yes
Priority Bandwidth Control	Port-Based QoS, 3 Classes
System Management	
Web-based User Interface	Yes
Command Line	Yes
SNMP	v1, v2c, v3

Physical & Environmental	DSR-250
Power Supply	External Power Supply Unit DC 12V/1.5A
Max. Power Consumption	11.8W/12.6W
Dimensions (L x W x H)	5.51 x 8.0 x 1.38 in (140 x 203 x 35 mm)
Rack Mountable	-
Operation Temperature	32 to 104 °F (0 to 40 °C)
Storage Temperature	-4 to 158 °F (-20 to 70 °C)
Operation Humidity	5% to 95% Non-condensing
EMI/EMC	FCC Class B, CE Class B, C-Tick, IC
Safety	cUL, LVD (EN60950-1)
3rd Party Certification	IPv6 Ready, VPNC, AES Interop, VPNC Basic Interop
MTBF	250,000 hours

Ordering Information		
Part Number	Description	Warranty
DSR-250	8-Port Gigabit VPN Router	Limited Lifetime <sup>6</sup>

1. DSR-1000AC only.
2. DSR-500/1000AC only.
3. Firewall throughput is measured using UDP traffic with a 1,518 bytes packet size, adhering to RFC2544.
4. Actual performance may vary depending on network conditions and activated services.
5. VPN throughput is measured using UDP traffic with the packet size 1420 bytes and encryption method 3DES plus SHA-1, adhering to PFC2544.
6. Limited Lifetime Warranty available only in the USA. Warranty void when not purchased from Authorized US D-Link Reseller. Please visit [us.dlink.com](http://us.dlink.com) for list of Authorized US Resellers.

### For more information

U.S.A. | 17595 Mt. Herrmann Street | Fountain Valley, CA 92708 | 800.326.1688 | [dlink.com](http://dlink.com)

### Trademarks

©2018 D-Link Corporation/D-Link Systems, Inc. All rights reserved. D-Link and the D-Link logo are registered trademarks of D-Link Corporation or its subsidiaries in the United States and/or other countries. Other trademarks or registered trademarks are the property of their respective owners. All references to speed are for comparison purposes only. Product specifications, size and shape are subject to change without notice, and actual product appearance may differ from that depicted herein. Visit [us.dlink.com](http://us.dlink.com) for more details.

### FAQs

What is the D-Link DSR-250N router?

The D-Link DSR-250N is a Wireless N Unified Service Router designed for small to medium-sized businesses. It provides network connectivity, security, and management features.

What is the main purpose of the DSR-250N router?



The main purpose of the DSR-250N router is to serve as a central networking device that provides internet connectivity, routing, security, and VPN (Virtual Private Network) capabilities for your business network.

What wireless standard does the DSR-250N support?

The DSR-250N supports the Wireless N (802.11n) standard, providing wireless connectivity for your devices with improved speed and coverage.

Is the DSR-250N suitable for home use?

The DSR-250N is primarily designed for business use due to its advanced networking and security features. It may be more than what is required for a typical home network.

Can I set up a Virtual Private Network (VPN) with the DSR-250N?

Yes, the DSR-250N supports VPN functionality, allowing you to create secure and encrypted connections for remote users or branch offices to access your network.

What security features does the DSR-250N offer?

The DSR-250N includes a range of security features, such as firewall protection, intrusion prevention, content filtering, and VPN support to safeguard your network against threats.

How many LAN ports does the router have?

The DSR-250N router typically has multiple LAN ports, usually four or more, to connect wired devices to your network.

Is the DSR-250N rack-mountable?

The DSR-250N is not typically rack-mountable. It is designed to be placed on a desktop or shelf.

What kind of management features does the router provide?

The router usually offers web-based management features that allow you to configure and monitor your network settings, security, and connected devices.

Is there a warranty for the DSR-250N router?

The D-Link DSR-250N router typically comes with a warranty of limited lifetime from the date of purchase.

Can I use the DSR-250N router as a VPN server?

Yes, the DSR-250N can act as a VPN server, allowing remote clients to securely connect to your network over the internet.

Does the router support Quality of Service (QoS)?

Yes, the DSR-250N typically supports QoS features, allowing you to prioritize certain types of network traffic for better performance, such as VoIP calls or video streaming.

**Download This PDF Link:** [D-Link DSR-250N Wireless N Unified Service Router Specifications And Datasheet](#)

---

## References

- [User Manual](#)