D-Link®
Building Networks for People

Product Highlights

Blazing-fast Flexible Internet Solution

Experience high speed broadband Internet via the built-in Ultra VDSL modem, Gigabit Ethernet, or USB 4G mobile dongle

Latest Wireless AC and Gigabit Ethernet

Enjoy Gigabit Ethernet and combined wirelessspeeds of up to 2200Mbps with increased range thanks to the latest 802.11ac wireless technology

Intuitive Setup Wizard

The setup wizard allows you to directly connect to the router and follow the on-screen instructions, making installation hassle-free



DVA-5593

AC2200 Wireless VDSL/ADSL VoIP Modem Router

Features

Convenience

- User-friendly GUI web configuration
- Compatible with all standard Internet applications
- Industry standard and interoperable DSL interface

Wireless

- WLAN with high-speed data transfer rates of up to 2200 Mbps, compatible with IEEE 802.11b/g/n, 2.4GHz compliant equipment
- Wireless LAN security features: WPA/WPA2, 802.1x, RADIUS client

Broadband

- Asynchronous Transfer Mode (ATM) and digital subscriber line (DSL) support
- Packet Transfer Mode (PTM) and digital subscriber line (VDSL)
- Gigabit Ethernet Internet Port
- MSA host supporting 1Gb/s SFP modules

Router Features

- IP routing and bridging
- Point-to-point protocol (PPP)
- Quality of Service (QoS)
- Universal Plug-and-Play (UPnP)
- Web Filtering
- USB mass-storage, SAMBA

The DVA-5593 AC2200 ULTRA VDSL VoIP Gigabit Modem Router is a highly integrated router with everything your home or small business needs for high-speed Internet access. It combines an ADSL2+/ULTRA VDSL modem, Gigabit Ethernet Internet Port, 4G mobile Internet support by external USB dongle, Voice over IP (VoIP), and Gigabit wireless together in a single, easy to use product that shares an Internet connection for all your devices.

Multiple Failover Redundancy and Future Connectivity

The D-Link DVA-5593 AC2200 ULTRA VDSL VoIP Gigabit Modem Router comes not only with a built-in high speed VDSL/ADSL modem up to 300Mbps but is also equipped with MSA host supporting 1Gb/s SFP modules and two USB 3.0 ports which support 3G/4Gmobile broadband USB adapters. This means that if your primary connection method should fail, the DVA-5593 will automatically fall back to your pre-defined back up connection.

Smooth Streaming with Wireless AC

The DVA-5593 uses the latest Wireless AC technology, which provides transfer rates of up to 2.2Gbps (1700 AC + 450 N). The router operates on both the 2.4 GHz and 5 GHz wireless bands at the same time using concurrent dual-band technology. This allows you to browse the web, chat and e-mail using the 2.4 GHz band, while simultaneously streaming digital media, playing online games, or making Internet voice calls on the 5 GHz band.

Voice Over IP

TheDVA-5593 provides Voice over IP technology with advanced communication features, and is compatible with industry-wide phone services so you can make and receive calls reliably. Use the FXS phone port on the DVA-5593 to connect an ordinary phone set for your VoIP phone calls, and use the router functions to connect all of your family members or personnel to the Internet for a fast online experience throughout your home or office.

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Smooth Transmissions

The DVA-5593 AC2200 ULTRA VDSL VoIP Gigabit Modem Router has built-in dual active firewalls (SPI and NAT) so to help protect your local network from intrusions. It is also equipped with WPA2 wireless encryption technology and access control to help protect your network from unauthorized access and outside threats so you can use the Internet with confidence. In addition, QoS priority queues and packet prioritization can minimize traffic congestion and deliver smooth VoIP and streaming media, providing you with the best possible Internet experience.

Easy to Set Up

Setting up the DVA-5593 is easy with the D-Link setup wizard. Simply open the setup utility and follow a few easy steps to get your home network up and running. You can also set up an encrypted wireless network with the touch of a button using Wi-Fi Protected Setup (WPS). Simply press the respective WPS buttons on each device to instantly establish an encrypted connection.

File Sharing Right at Your Fingertips

The DVA-5593 lets you connect a USB storage device and instantly share documents, movies, pictures, and music. You can put your music library on a USB drive and share it with your entire home. You can show photos on the living room TV while a family member watches a movie on their computer. You can stream media files to multiple devices without interruption, or save them to your device for offline playback. The intuitive interface lets anyone immediately connect to a variety of entertainment options stored securely on your own storage device

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Technical Specifications

General

Device Interfaces	• One RJ-11 xDSL port • Two RJ-11 FXS VoIP ports • 802.11ac/n/g/b Wireless LAN • Two USB3.0/2.0 ports • MSA host supporting 1Gbps SFP modules(Optical and Electrical)	• One Gigabit Ethernet WAN port • Four Gigabit Ethernet LAN ports • WPS button • Power Connector • Power Switch
Antenna Type	• 2.4GHz • Three internal MIMO antennas	• 5GHz • Four internal MIMO antennas
Data Signal Rate	• 2.4GHz • 450Mbps	• 5GHz • 1700Mbps
Standards	• IEEE 802.11ac • IEEE 802.11n • IEEE 802.11g • IEEE 802.11b	• IEEE 802.3 • IEEE 802.3u • IEEE 802.3ab • IEEE 802.3az • IEEE 802.3x
Minimum System Requirement	• Windows 10/8.1/8/7/Vista/XP SP3 or Mac OS X 10.3or higher • Ethernet or Wireless network interface • Subscription with an Internet Service Provider (ISP) • Microsoft Internet Explorer 10 or higher, Edge 13 or higher, Firefox 36 or higher, Chrome40 or higher, Safari 8 or higher, or other Java-enabled browser	
ADSL Features	• T1.413i2, G.992.1 • G.dmt,G.992.2,G.lite • G.992.3 (G.bis/ADSL2)	• G.992.5 (ADSL2+) • ITU G.994.1(G.hs) • AnnexL(ReachExtendedADSL2)
VDSL Features	• Up to ITU G.993.2 Annex Q • Supports 8b, 12a, 12b, 17a, 35b profiles • Supports G.vector • Supports ATMand PTM • Supports G.INP	• Supports ATM forum UNI3.0, 3.1 and 4.0 permanent Virtual circuits (PVCs) • Supports CBR,UBR,VBR-rt, VBR-nrt • Supports multiple PVCs • Supports ITU-T I.610 F4/F5 OAM
Network Protocols	• RFC2684 multiprotocol Encapsulation over ATM Adaption Layer 5 • RFC1483 multiprotocol Encapsulation over ATM Adaptation Layer 5 • RFC2364PPPover ATMALL5 (PPPoA) • RFC2516 PPP over Ethernet (PPPoE) • RFC1662 PPP in HDLC-like Framing • RFC1332 PPP Internet Protocol Control Protocol	• RFC1577/2225 Classical IP and ARP over ATM(IPoA) • RFC894A Standard for the Transmission of IP Datagrams over Ethernet Networks • RFC1042A standard for the Transmission of IP Datagrams over IEEE802 Networks • MER(a.k.a IP over Ethernet over AAL5) • Support ALG (Application Level Gateways)

Functionality

Routing Features	• RFC768 User Datagram Protocol (UDP) • RFC791 Internet Protocol (IP) • RFC792 Internet Control Message Protocol (ICMP) • RFC793 Transmission Control Protocol (TCP) • RFC826 An Ethernet Address Resolution	• Support for DNS as Client/Relay • Support for DNS fallback • Support for DHCP server/client • Support for UPnP • Support for NAT, NAPT • Support for DMZ • Support for IP QoS

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	Protocol (ARP) • RFC862 Echo Protocol • Support IP routing • Support for transparent bridging • Support for source and destination routing	• Support for IGMP proxy • Support for IPv6 • Support for VPN Pass through • IPSec, L2TP, PPTP client • Support for port forwarding • Support for Dynamic DNS
Voice-over-IP (VoIP) Features	• Media Transport and Control • RTP / RTCP • G.711, G.729, G.726 • T.38 FAX relay • Signaling • SIP 2.0 • SDP • In-band (voice encoded) or out-of-band (over RTP) transport of DTMF signaling	• Supplementary Services • CLIP, CNIP, CLIR • Call Forwarding • Call Hold / Resume • Call Waiting / Call Transfer • MWI • Dial plan
Management Features	• Device Configuration, Management and Update • Web based GUI • Embedded web server • Command Line Interface via serial port, telnet or SSH • SNMP v1/v2 • PSI configuration file upload and download	• Menu-driven CLI via serial port or telnet • Universal Plug and Play (UPnP) Internet Gateway Device (IGD v1.0) • WAN Management Protocol (TR-069) • Date/time update from ANTP Internet Time Server
Security Features	• Service access control based on incoming interface: WAN or LAN • Service access control based on source IP address • PAP (RFC1334), CHAP (RFC1994), MSCHAPv1, MSCHAPv2 for PPP session (PPPoE, PPPoA)	• Stateful Packet Inspection (SPI) Firewall • IP Fragment Overlap Protection Protects from DOS attacks from WAN: SYN flooding, IP surfing, Ping of Death, fragile, UDP ECHO (port 7), Tear Drop, Land, Smurf, Unreachable • IP filter, Parental control, Access Control
Physical		
Dimension	• 235 * 165 * 70,6 mm	
Weight	• 630g	
Power	• Input: 100 ~ 240 V	• Output: 12V DC / 3A
Temperature	• Operating: 0 to 45 °C (32 to 113 °F)	• Storage: -20 to 70 °C (-4 to 158 °F)
Humidity	• 10 % to 95 % non-condensing	
Certification	• CE • RoHS	• Wi-Fi Certified • WPS Setup

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