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Building Networks for People

DSL-G2562DG/T2
VDSL2 Wireless AC1200 4-Port Gigabit Modem Router with VOIP

Features

Connectivity
- Supports multiple WAN connections for flexibility, redundancy, and future connectivity
- Built-in ADSL2+/VDSL2 modem for connecting to your high-speed broadband Internet connection
- Gigabit WAN port supports high-speed Internet connections of today and tomorrow
- Four Gigabit LAN ports to connect wired devices for high-speed online activities
- Fast 802.11ac wireless for high speed connections to all of your PCs and mobile devices
- USB 2.0 port to share media from a storage device or attach a 3G/4G mobile wireless networking device

Security
- Wi-Fi Protected Setup (WPS) to quickly and securely add devices to your network
- WPA/WPA2 encryption to secure your wireless traffic

Ease of Use
- Quick Setup Wizard

The DSL-G2562DG/T2 VDSL2 Wireless AC1200 4-Port Gigabit Modem Router with VOIP s a highly integrated router with everything your home or small business needs for high-speed Internet access. It combines an ADSL2+/VDSL2 modem, Gigabit Ethernet Internet Port, 4G mobile Internet support, Voice over IP (VoIP), and Gigabit wireless together in a single, easy to use product that shares an Internet connection for all your devices.

Fast and Reliable Home Network

The D-Link DSL-G2562DG/T2 VDSL2 Wireless AC1200 4-Port Gigabit Modem Router with VOIP creates a blazing fast home network that connects all of your devices to your broadband Internet connection. Concurrent dual-band 802.11ac brings you the future of high-bandwidth wireless connectivity, allowing you to stream HD video, make Internet voice calls, and surf the Internet from every corner of your home without interruption. Gigabit Ethernet ports provide high-speed wired connections for up to four PCs or other devices. It's stylish, easy to use, and provides you with a reliable network for today and tomorrow.

Multiple Failover Redundancy and Future Connectivity

The D-Link DSL-G2562DG/T2 VDSL2 Wireless AC1200 4-Port Gigabit Modem Router with VOIP comes not only with a built-in high speed VDSL/ADSL modem, capable of up to 300 Mbps VDSL/24 Mbps ADSL speeds, but is also equipped with a Gigabit Ethernet WAN port and two USB 2.0 ports which support 3G/4G mobile broadband adapters. This means that if your primary connection method should fail, the DSL-G2562DG will automatically fall back to your pre-defined backup connection.

Voice Over IP

The DSL-G2562DG/T2 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 DSL-G2562DG/T2 to connect an ordinary phone set for your VoIP phone calls, and use the router functions to connect all of your family members or personel to the Internet for a fast and secure online experience throughout your home or office.

Smooth Streaming with Wireless AC

The DSL-G2562DG/T2 uses the latest Wireless AC technology, which provides transfer rates of up to 1.2 Gbps[1] (866 AC + 300 N). The router operates on both the 2.4 GHz and 5 GHz wireless bands at the same time using concurrent dual-band technology and three external antennas. 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.

Designed for Optimal Wireless Coverage

The DSL-G2562DG/T2's antennas have been carefully designed to ensure that you will get little to no dead space in any environment. The high-powered amplifier sends the signal into the farthest corners of your home. Furthermore, the VDSL2 Wireless AC1200 4-Port Gigabit Modem Router with VOIP's multiple external antennas improve wireless reception by bringing signals to where they are most needed to achieve the best possible performance.

File Sharing Right at Your Fingertips

The DSL-G2562DG/T2 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.
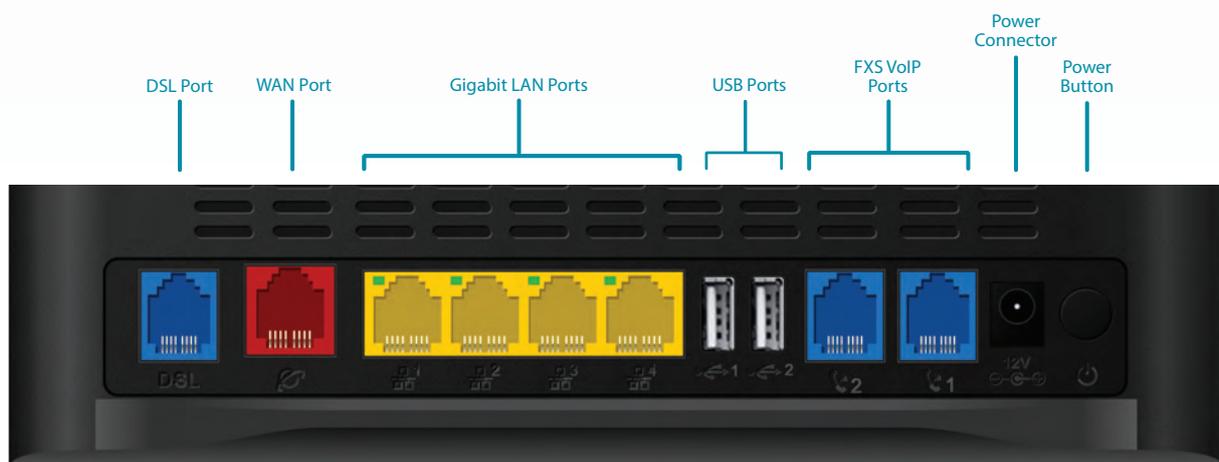
Easy to Set Up and Secure

Setting up the DSL-G2562DG/T2 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 a secure network with the touch of a button using Wi-Fi Protected Setup (WPS). Simply press the respective WPS buttons on each devices to instantly establish a secure connection to a new device. Rest assured that your network is secure with WPA/WPA2 wireless encryption and built-in dual active firewalls (SPI and NAT) so you can shop online and do your online banking with confidence.

Secure and Smooth Transmissions

The DSL-G2562DG/T2 Wireless AC1200 Dual-Band Gigabit ADSL2+/VDSL2 Modem Router has built-in dual active firewalls (SPI and NAT) so you can shop online and do your online banking with confidence. It is also equipped with WPA wireless security and access control to 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 minimize traffic congestion and deliver smooth VoIP and streaming media, providing you with the best possible Internet experience.

Back View

DSL Port · WAN Port · Gigabit LAN Ports · USB Ports · FXS VoIP Ports · Power Connector · Power Button

Technical Specifications

General

Device Interfaces	• One RJ-11 xDSL Port • Four 10/100/1000 Gigabit LAN Ports • One 10/100/1000 Gigabit WAN Port • Two FXS VoIP Ports • 802.11 ac/n/g/b Wireless LAN[1]	• Power Button • USB 2.0 Port • Wireless On/Off Button • WPS Button • Reset Button
Antenna Configuration	• Two 5 dbi Removable Dual-Band Antennas	

Data Signal Rate	• 2.4 GHz
	  • 300 Mbps [1]
		• 5 GHz
		  • 866 Mbps [1]

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 Requirements	• Windows 8/7/Vista/XP or Mac OS X 10.3 or higher • Microsoft Internet Explorer 9, Firefox 23, Chrome 28, Safari 7, or higher or other Java-enabled browser	• Ethernet or Wireless Network Interface • Subscription with an Internet Service Provider (ISP)
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) • Annex L (Reach Extended ADSL2)
VDSL Features	• ITU-T G.993.2 VDSL2 • Supports 8a, 8b, 12a, 12b, 17a, 30a profiles • Supports G.vector • Supports ATM and 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.610F4/F5 OAM
Network Protocols	• RFC2684 multiprotocol Encapsulation over ATM Adaptation Layer 5 • RFC1483 multiprotocol Encapsulation over ATM Adaptation Layer 5 • RFC2364 PPP over ATM ALL5 (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) • RFC894 A Standard for the Transmission of IP Datagrams over Ethernet Networks • RFC1042 A standard for the Transmission of IP Datagrams over IEEE 802 Networks • MER (a.k.a IP over Ethernet over AAL5) • Support ALG (Application Level Gateways)

Functionality

Security	• WPA & WPA2 (Wi-Fi Protected Access)	• Wi-Fi Protected Setup (WPS) - PIN/PBC
Advanced Features	• Multi-language Web Setup Wizard • UPnP support • Multiple PVC (up to 8)	• Dual Active Firewall • VPN pass-through/multi-session PPTP/L2TP/IPSec • 802.1p QoS
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 Protocol (ARP) • RFC862 Echo Protocol • Support IP routing • Support transparent bridging	• Support source and destination routing • Support DHCP server/client • Support UPnP • Support NAT,NAPT • Support DMZ • Support IP QoS • Support IGMP proxy • Support IPv6
Management Features	• Device Configuration, Management and Update • Web based GUI • Command Line Interface via serial port, telnet, or SSH • Universal Plug and Play (UPnP) Internet Gateway Device (IGDv1.0)	• WAN Management Protocol (TR-069) • SNMP v1/v2 • PSI configuration file upload and download • Date/time update from SNTP Internet Time Server

Physical			
Dimensions	• 210 x 150 x 37 mm (8.26 x 5.91 x 1.46 inches)		
Weight	• 475.7 grams (1.05 pounds)		
Power	• Input: 100 ~ 240 V	• Output: 12 V / 2 A	• Power Consumption: 24w
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		
Certifications	• CE • FCC	• LVD • RCM	

Order Information	
Part Number	*Description*
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[1] Maximum wireless signal rate derived from IEEE Standard 802.11ac, 802.11n, 802.11g, and 802.11b specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate. Environmental factors will adversely affect wireless signal range. Wireless range and speed rates are D-Link relative performance measurements based on the wireless range and speed rates of a standard Wireless G product from D-Link. Maximum throughput based on D-Link 802.11ac devices.

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