



ADSL 2/2+ compliant modem for faster ADSL speeds and extended distances over which high-speed data can be delivered

High-speed "always-on" Internet access

Easy setup with auto configuration of ADSL settings

ADSL modem plus router supports up to 253 concurrent Internet users

Advanced security from hacker attacks with Stateful Packet Inspection (SPI) and Network Address Translation (NAT) firewalls

Works with all popular ADSL services

Works great with wireless access points

TR-69 Support

Supports Universal Plug and Play (UPnP)

Works with most computer operating systems, including Windows, Macintosh and Linux

Documentation is provided in English and Spanish



Zoom ADSL X4

ADSL 2/2+ Modem+ Router
+ Gateway + Firewall
with Ethernet and USB Interfaces

Model 5751

The Zoom Model 5751 ADSL X4 is a full-rate ADSL 2/2+ modem and a powerful gateway/router/firewall in a single affordable product.

The X4 delivers up to 24 Mbps data speeds over existing telephone wires and is suitable for use in homes or small offices. The Model 5751 is compatible with older ADSL protocols as well as the new ADSL 2/2+ standards for higher data speeds and extended distances over which high data rates can be delivered.* The Ethernet interface on the X4 provides connection to a computer running most operating systems, including Windows as well as Linux, Unix and Mac Operating system. The X4 can also be plugged into a hub or wireless access point to provide concurrent Internet access for up to 253 networked computers. The USB port supports connection to a Windows computer.

Security features include Network Address Translation (NAT) and Stateful Packet Inspection (SPI) Firewalls and an extensive list of other security controls.

Setup is easy using any authorized local or remote computer's Web browser and the intuitive graphical user interface. An auto configuration option automatically establishes the protocol and encapsulation used by the ADSL service.

Zoom ADSL gateways are backed by over 30 years of experience in the design and support of communications products.

Specifications

ADSL Compliance

- Compliant with ADSL standards:
 - Full-rate ANSI T1.413 Issue 2, and ITU G.dmt (G.992.1) standards
 - Splitterless G.lite (G.992.2) specification
 - Annex A
- Compliant with ADSL 2 standards:
 - G.dmt.bis (ITU G.992.3)
 - ADSL Annex L (reach extended DSL)
- Compliant with ADSL 2+standards:
 - G.992.5
 - Annex M
- DMT modulation and demodulation
- Full-rate adaptive modem
- ADSL
 - Maximum downstream rate up to 8 Mbps
 - Maximum upstream rate up to 1024 Kbps
- ADSL2+
 - Maximum downstream rate up to 24 Mbps
 - Maximum upstream rate of 3 Mbps (Annex M)
- Supports splitterless ADSL implementation
- Interoperable with all major DSLAM manufacturers

ATM Protocols

- WAN mode support: PPP over ATM (RFC 2364) and PPP over Ethernet (RFC 2516)
- LAN mode support: bridged/routed IP over ATM (RFC 1483)
- ATM Forum UNI 3.1/4.0 PVC
- Up to four virtual circuits
- ATM segmentation and re-assembly
- ATM AAL5 (adaption layer type 5)
- OAM F4/F5

ADSL X4 ADSL 2/2+ Modem + Router + Gateway + Firewall with Ethernet and USB Interfaces

Model 5751

Specifications (continued)

Bridge Mode	<ul style="list-style-type: none">• Ethernet to ADSL self learning - Transparent Bridging (IEEE 802.1D)• Supports up to 128 MAC learning addresses
Router Mode	<ul style="list-style-type: none">• Static routing• DNS Proxy• DHCP (Dynamic Host Configuration Protocol) server and client• NAT (Network Address Translation)• NATP (Network Address and Port Translation)• RIP V1 and V2• PPP Half Bridge• Dynamic DNS• Virtual Server/DMZ Support
Security	<ul style="list-style-type: none">• Simultaneous USB and Ethernet operation• Stateful Packet Inspection (SPI)• User authentication for PPP• PAP (Password Authentication Protocol)• CHAP (Challenge Authentication Protocol)• Password protected system management• VPN passthrough: PPTP, L2TP, IPsec tunnel• IP/Port Filtering• Attack Protection• Denial of Service Protection• URL Filtering
Management	<ul style="list-style-type: none">• Parental control - URL Filtering• Password security• TR69 Support• Auto configuration of ADSL network settings• Universal Plug and Play (UPnP)• Remote and local command line or HTTP interface configuration• Software upgradeable firmware through HTTP interface• nrt-VBR in accordance• ATM traffic management functions support UBR without PCR, UBR with PCR, CBR, rt-VBR, with ATM forum TM 4.1• Loads setup from a file for easy configuration input by service providers
Ethernet Interface	<ul style="list-style-type: none">• IEEE 802.3 compliant• Auto-sensing 10/100 BaseT - RJ45
USB Interface	<ul style="list-style-type: none">• Compliant with USB Specification, Revision 1.1• Full-speed USB (12 Mbps)
HTML Graphic User Interface	<ul style="list-style-type: none">• HTTP Graphical User Interface• Password protected access• Firmware upgrades• WAN and LAN side connection statistics• Configuration of static routes and routing table• Configuration of NAT/NAPT• Selection of bridge or router mode• PPP user ID and password
Status Indicators	<ul style="list-style-type: none">• Configuration of virtual circuits• POWER - power on/off• ADSL - DSL link is established• DATA - activity• ETHERNET - Ethernet link is established
Warranty	<ul style="list-style-type: none">• One year
Size	<ul style="list-style-type: none">• 5.3 x 4.6 x 1.3 inches (133 x 116 x 32mm)
Regulatory Approval	<ul style="list-style-type: none">• CE, FCC Part 15B, FCC Part 68, RoHS compliant



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Requirements A computer with an Ethernet port and any operating system that supports TCP/IP (Windows, Mac, Linux, or other), **OR** Windows computers with a USB port.

Package contents:

- Ethernet/USB modem
- Ethernet cable
- Phone cable
- CD ROM
- User Manual
- Power Adapter
- Filters and phone adapters:
Filters and/or phone adapters may be included in some markets. Please check the package for specifics or ask your dealer. An ADSL filter allows a telephone, facsimile machine, or other telephone instrument to be used even when you are online with your ADSL modem.

* ADSL 2/2+ requires support from your Internet Service Provider

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