



Zoom ADSL X5

ADSL Modem/Router/Gateway/Firewall/4-port Switch
with Ethernet and USB Interfaces

Built-in router provides shared Internet access for up to 253 concurrent users

Built-in 10/100 four-port Ethernet switch

Allows concurrent use of USB and Ethernet ports for Internet sharing

NAT firewall

Easy to install

Documentation provided in Danish, Dutch, English, French, German, Portuguese, Spanish, and Turkish

Works great with wireless access points or gateways

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

Two year warranty

Model 5554 - Annex A
Model 5524 - Annex B

The ADSL X5 integrates a full-rate ADSL modem, router, NAT firewall, four-port 10/100 Ethernet switch and a USB port into a single cost-effective product. Concurrent Ethernet and USB connections are supported for flexibility in operating with a range of devices. Up to five computers can be plugged into the X5 directly and each can enjoy simultaneous independent Web and e-mail access.

The ADSL X5 modem works with any standard ADSL service: G.DMT, G.Lite, G.hs, or ANSI T1.413 Issue 2. The Model 5554 supports Annex A, ADSL over POTS, while the Model 5524 supports Annex B, ADSL over ISDN.

The built-in four-port Ethernet switch eliminates the need for a separate Ethernet hub for most home networks and many small offices. The USB port allows direct connection of a fifth computer. By adding an external hub, or a wireless access point, the X5 can provide simultaneous Internet access for up to 253 computers.

The NAT firewall protects your computers from intruder attacks through the broadband connection.

Setup is easy using any authorized local or remote computer's Web browser and the built-in graphical user interface.

The X5 uses an ARM9 processor to create a stable, powerful platform. Flash memory allows easy firmware updates.

Documentation and the setup utility are provided in Danish, Dutch, English, French, German, Portuguese, Spanish, and Turkish. Technical support is available in English, French, German, and Spanish.

Specifications

- ADSL Compliance
- Compliant with ADSL standards:
 - Full-rate ANSI T1.413 Issue 2, G.hs (G.994.1) and ITU G.dmt (G.992.1) standards
 - Splitterless G.lite (G.992.2) specification
 - Annex A (Model 5554)
 - Annex B (Model 5524)
 - DMT modulation and demodulation
 - Full-rate adaptive modem
 - Maximum downstream rate of 8 Mbps
 - Maximum upstream rate of 1 Mbps
 - Supports splitterless ADSL implementation
 - Supports DSLAM notification on power loss (Dying gasp)
 - 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 Ethernet over ATM (RFC 1483) and Classical IP over ATM (RFC 1577)
 - ATM Forum UNI 3.1/4.0 PVC
 - Up to eight virtual circuits
 - ATM segmentation and re-assembly
 - ATM AAL5 (adaption layer type 5)
 - OAM F4/F5

Model 5554 - Annex A Model 5524 - Annex B

ADSL X5

ADSL Modem + Router + Gateway + Firewall + 4-port Switch with Ethernet Interfaces

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• Port Forwarding• DHCP (Dynamic Host Configuration Protocol) server and client• NAT (Network Address Translation)• NAT (Network Address and Port Translation)• Simultaneous USB and Ethernet operation
Security	<ul style="list-style-type: none">• User authentication for PPP• PAP (Password Authentication Protocol)• CHAP (Challenge Authentication Protocol)• Password protected system management
Ethernet Interface	<ul style="list-style-type: none">• IEEE 802.3 compliant• Four 10/100 Mbps auto-sensing RJ-45 ports
USB Interface	<ul style="list-style-type: none">• Compliant with USB Specification, Revision 1.1• Full-speed USB (12 Mbps)
Status Indicators	<ul style="list-style-type: none">• Six indicators - power, link, four LAN port connection indicators
HTML graphic user Interface	<ul style="list-style-type: none">• 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• Configuration of virtual circuits
Warranty	<ul style="list-style-type: none">• 2 years
Size	<ul style="list-style-type: none">• 17 x 14.2 x 2.54 cm; 6.7 x 5.6 x 1.0 inches
Regulatory Approval	<ul style="list-style-type: none">• Model 5554: CE, UL, C-UL, FCC Part 15B, FCC Part 68, CS-03• Model 5524: CE

System Requirements

- A computer with an Ethernet port and any operating system that supports TCP/IP (Windows, Mac, Linux or other)
- OR**
- Windows 98, 98SE, 2000, Me computer with a USB port and 200 MHz processor
- OR**
- Windows XP with a USB port and Pentium 400 MHz or faster and 64 MB RAM

Package contents:

- Gateway modem
- Ethernet cable
- USB 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.



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