



Gateway and router
plus Voice over IP for
telephone calls over the
Internet

TelePort™ feature allows
one or more normal
phones to place and
receive calls worldwide
over the Internet, and
also to connect to any
phone on the Public
Switched Telephone
Network.

Clear natural-sounding
voice quality with quality
service support

Integrated design with
built-in firewall simplifies
setup and improves
security

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

Up to 5 computers can
plug directly into the V3

Built-in 10/100
four-port Ethernet Switch
for computers, hubs,
wireless access points

Advanced Firewall
includes Stateful Packet
Inspection (SPI), protec-
tion from Denial of
Service Attacks, NAT,
and more

Works with any operat-
ing system that supports
an Internet browser and
Java script, including
Windows, Macintosh
and Linux

Two year warranty



ZoomTel V3

Router/Gateway/Firewall/4-port Switch *plus* VoIP
for voice calls over the Internet

Model 5567

The V3 integrates a router, firewall, four-port 10/100 Ethernet switch, USB port, and VoIP phone port into a single cost-effective product.

The Model 5567 TelePort™ feature provides a phone port that lets you use your standard single-line phone for conventional phone calls or free and very low-cost Voice Over IP (VoIP) calls. Because the V3 integrates Internet telephony with a full featured gateway, setup is easy and system security is ensured. Integration of the voice processing with the firewall in the router ensures reliability of VoIP calls and reduces service provider support requirement. The Model 5567 also comes with the Global Village™ VoIP phone service that sets up in minutes and lets you simply dial phone numbers and make free calls to devices like the Model 5567 anywhere in the world. And because the V3 uses SIP, the most popular protocol for voice communications over the Internet, you can tap into a rapidly-growing world of free and very low-cost phone services.

The Model 5567's 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 to the V3. By adding external hubs or a wireless access point, the V3 can provide simultaneous Internet access for up to 253 computers.

The V3 can also be connected to a regular phone line in addition to a broadband connection. The Local Phone port of the Model 5567 includes the TelePort, an intelligent relay that allows a single phone to place and receive both VoIP calls and calls over the Public Switched Telephone Network (PSTN). PSTN Fail-Over allows the Model 5567 to automatically route calls over the dial-up phone network when power is lost. PSTN support also allows emergency dialing using services like 911 or 112 calling.

Setup is easy using any authorized local or remote computer's Web browser and the graphical user interface built into the V3. Flash memory allows easy firmware updates, including additions to the voice compression codecs.

Making Phone Calls Over the Internet

The Model 5567 allows you to minimize or eliminate long distance charges while maintaining the flexibility and security of your normal phone service. A special Local Phone port lets you plug in a conventional telephone. This phone can make and receive calls just like your regular phones, but it can also do much more!

The Model 5567 comes with Global Village phone service that sets up in minutes from your PC and lets you simply dial phone numbers to make free calls to another Model 5567 user or to most other VoIP users anywhere in the world. You'll get a special phone number for people calling you over the Internet. When that call comes in, your phone will ring normally.

What if you want to call someone whose phone isn't able to make or receive calls over the Internet? You have two ways to call that person. In the first way, the Model 5567 lets you dial the call normally, and your call goes out through your local phone line to the traditional "Public Switched Telephone Network" or PSTN. (When you want the call to go out over the Internet, you dial a # before dialing the person's phone number.) In the second way, you sign up for enhanced Global Village service or another VoIP service provider that lets your calls travel through the Internet to a special gateway and on to the PSTN.

What if you'd like to extend this capability throughout your home? In some homes and offices, you can use your existing wiring, though you may also need one or more inexpensive wiring adapters. In other situations, we recommend a low-cost cordless phone system with a single base station and as many phones as you like.

ZoomTel V3

Model 5567

Router + Gateway + Firewall + 4-port Switch *plus* VoIP for voice calls over the Internet

Gateway Specifications

Router Mode	<ul style="list-style-type: none">• Static routing• RIP V2, RIP V1• DNS Proxy• Port Forwarding• DHCP (Dynamic Host Configuration Protocol) server and client• NAT (Network Address Translation)• NAPT (Network Address and Port Translation)• Simultaneous USB and Ethernet operation• STUN support for voice traffic
Security	<ul style="list-style-type: none">• SPI (Stateful Packet Inspection) Firewall• Protection from DOS (Denial of Service) Attacks• 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 LAN ports• One 10/100 Mbps auto-sensing RJ-45 WAN port
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">• Nine indicators - power, link, data, USB, four LAN port connection indicators & VoIP
HTML Graphic User Interface	<ul style="list-style-type: none">• Password protected access• Menu-selected firmware upgrade• WAN and LAN side connection statistics• Configuration of static routes and routing table• Configuration of NAT/NAPT
Warranty	<ul style="list-style-type: none">• 2 years
Size	<ul style="list-style-type: none">• 19 x 14.6 x 3.2 cm; 7.50 x 5.75 x 1.25 inches
Regulatory Approval	<ul style="list-style-type: none">• CE, UL, C-UL, FCC Part 15B, FCC Part 68, CS-03

Voice over IP Analog

Telephone Adapter Specifications

Analog Voice Port	<ul style="list-style-type: none">• Type: Loop-start FXS interface• DTMF tone detection/generation
Off-hook Detection	<ul style="list-style-type: none">• V.21/V.25 Modem/fax tone detection• Ring occurs for incoming VoIP and POTS calls• Ring generation with 5 Ringer Equivalents - supports more than 5 typical telephones
Call Control VoIP Protocol	<ul style="list-style-type: none">• SIP (RFC 3261)• Digest Authentication using MD5• Record-Route Headers• District SIP Proxy separate from SIP Domain/Real
Voice Compression Codecs	<ul style="list-style-type: none">• G.729A, G.711 A-Law, G.711 U-Law
Line-echo Cancellation	<ul style="list-style-type: none">• G.165, G.168 compliant• 8 to 128 msec configurable echo length• Nonlinear echo suppression
Voice Features	<ul style="list-style-type: none">• Voice activity detection (VAD)• Comfort noise generation (CNG)• Dynamic jitter buffer (adaptive)• Packet Loss Concealment• Bell 202 and V.23 Caller ID• Quality of Service (QoS) provides priority for RTP (voice audio) traffic sent through the router
PSTN	<ul style="list-style-type: none">• RJ-11 line port allows connection to Public Switched Telephone Network (PSTN)• If connected, calls will automatically route to the dial-up network when power is lost• Allows emergency dialing through services like 911 or 112

Package contents:

- V3 VoIP Gateway
- Ethernet cable
- USB cable
- Phone cord
- CD ROM
- User manual
- Power adapter



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