



Hardware and services to provide voice calls over the Internet using regular telephones

Choose from dozens of VoIP Service Providers

Includes VoIP service with FREE Internet calling, Voicemail, Caller ID, and Call Conferencing

Dramatically lower your phone costs

Provides a FREE second phone line

Works with your PC on or off

Uses industry-standard Session Initiation Protocol (SIP)

Zoom's TelePort feature provides reliable emergency calling and a life line in the event of a power failure

Call bridging allows your Internet phone calls to be forwarded to a conventional phone number, and gives remote access to Internet calling services



Zoom VoIP Freedom

Choose the Internet Phone Service that's right for you!

Model 5800F

The Zoom VoIP Freedom Package includes a Voice over the Internet Analog Telephone Adapter (ATA) and Zoom's exclusive VoIP Service Chooser. Together they allow conventional phones to make and receive calls over a broadband Internet connection. Simply plug a conventional or cordless phone into the adapter and then plug the telephone adapter into a broadband-connected router or Internet gateway. Then just point-and-click from your Web browser to choose the right VoIP Service Provider for you. You can easily select or change the service provider, and automatically configure your VoIP Freedom ATA for the service you choose.

No VoIP service provider is right for everyone, and competition provides fresh new rates and features. Some services competing for your business offer FREE VoIP calling, FREE call conferencing, and FREE on-line call tracking. You can even get incoming phone numbers for far-away cities. Imagine having a local number for Paris, Mexico City, Tokyo or one of hundreds of other cities around the world. Your family, friends, and customers can call you from remote countries by making a low-cost local phone call!

The VoIP Freedom ATA works with your PC on or off, so it's always ready to make and receive phone calls. The ATA's Local Phone Port includes the TelePort, an intelligent switch that allows your phone to place and receive both VoIP calls and conventional phone calls. The TelePort also protects your family by automatically routing calls over the conventional phone network for emergency calls using services like "911" or "112". And in the event of a power failure, TelePort automatically routes calls from attached telephones to your conventional phone service for reliable lifeline operation.*

The Model 5800F ATA bridges between conventional phone lines and your VoIP service. That allows access to your VoIP service with a call from your mobile phone, which provides low-cost international calling while you are on the move. Bridging can also forward incoming Internet calls to your mobile phone or another conventional phone number.

Specifications

Analog Telephone Ports

- One FXS type Loop-start interface with RJ-11
- One FXO analog interface with TelePort and RJ-11
- Up to 5 REN (Ringer Equivalence Number), rings up to 5 and often more typical telephones
- Programmable Ring Patterns
- Call progress tones supported: Initial dial tone, Secondary dial tone, Stuttered dial tone, Message waiting dial tone, Call forward dial tone, Pre-ringback dial tone, Ring back tone, Call waiting tone, Call holding tone, Call disconnect tone, Call conference tone, Busy tone, Reorder tone (network busy/fast busy), Off hook warning.
- Power Fail Over
- Auto switch to PSTN for emergency calling using 911 and other programmed three digit codes
- VoIP to PSTN call bridging; PSTN to VoIP call bridging with ANI security

Status Indicators

- Power, LAN link, VoIP ready, VoIP call in progress, PSTN port ready, voice message waiting

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Specifications (continued)

Voice over IP (VoIP) Protocols

- SIPv2 - Session Initiation Protocol (RFC 3261, 3262, 3263, 3264)
- SDP - Session Description Protocol (RFC 2327)
- RTP - Real Time Protocol (RFC 1889, 1890)
- RTCP - Real-Time Control Protocol (RFC 1889)
- X-NSE - Tone Events for SIP/RTP (RFC 2833)
- AVT - Tone Events for SIP/RTP (RFC 2833)
- Power-on Auto Registration
- Re-registration with SIP Proxy Server
- SIP over UDP

Network Protocols

- SIP authentication (HHP Digest with MD5)
- IPv4 - Internet Protocol Version 4 (RFC 791)
- TCP - Transmission Control Protocol (RFC 793)
- UDP - User Datagram Protocol (RFC 768)
- ICMP - Internet Control Message Protocol (RFC 792)
- RARP - Reverse Address Resolution Protocol (RFC 903)
- ARP - Address Resolution Protocol (RFC 826)
- DNS - Domain Name Server
- DHCP Client - Dynamic Host Control Protocol (RFC 2131)
- NTP - Network Time Protocol (RFC 1305)
- SNTP - Simple Network Time Protocol (RFC 2030)
- STUN - Simple Traversal of UDP over NATs (RFC 3789)
- HTTP - HyperText Transfer Protocol
- TFTP - Trivial File Transfer Protocol (RFC 1350)

Voice Codecs

- G.711 - Pulse Code Modulation
- iLBC (Internet Low Bitrate Codec)
- G.729

Telephony

- Q.24 DTMF generation and detection
- Configurable tone frequency and on/off cadence generation
- Caller ID Generation and Detection (Type I and II)
- 3-way conference calling with local mixing
- Message waiting indicator light
- G.711 Fax Pass-through
- CLASS feature support
- G.165, G.168 compliant line echo cancellation
- Nonlinear echo cancellation
- Double talk detection

Quality of Service Support

- Layer 2 Class-of-Service (CoS) Tagging (802.1P)
- Layer 2 (802.1Q VLAN)
- Layer 3 Type-of-Service (ToS) Tagging (RFC 791/1349)
- Layer 3 Diffserv (RFC 2475) i ofo

Security

- Provisioning/Configuration/Authentication
- Password-protected, Web based administration
- ARC4 Encryption for TFTP Configuration Profiles
- Authentication (Digest using MD5)

Size

- 14.6 cm X 11.2 cm X 2.8 cm (5.7 inches X 4.4 inches X 1.1 inches)

Minimum Requirements

- High speed Internet connection (typically a DSL or data-over cable connection)
- A router or gateway to share the broadband Internet connection
- A Touchtone telephone (conventional analog phone) or a fax machine
- CD ROM drive in a personal computer which supports a Web browser (Windows, Macintosh, Linux or other) and is connected to the router

Warranty

- Two years limited warranty

Package contents:

- VoIP telephone adapter
- Power adapter
- Quick Start Guide
- CD ROM
- Ethernet cable
- Phone cord

* Emergency calling and life line calling using TelePort requires PSTN (conventional) phone service.

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