



Economical solution provides Voice over the Internet using conventional tele-phones

Uses industry-standard Session Initiation Protocol (SIP)

Clear, natural-sounding voice quality

Supports remote delivery of firmware updates

Supports automatic provisioning by service providers

Supports Quality of Service (QoS)

Supports STUN (Simple Traversal of UDP over NATs)

Supports advanced telephone services including CLASS features such as Call Waiting, Caller Identification, Call Transfer, Call Hold, Call Forwarding, Distinctive Ring, and Voice Message Waiting Indication

Proven compatibility with SIP-standard servers from Asterisk™, Cisco, NetCentrex™, Quintum and more.



Zoom Voice over IP Telephone Adapter

Model 5806 with G.711, iLBC and G.729 Codecs

The economical Zoom Model 5806 Voice over IP Telephone Adapter allow standard analog telephones to make and receive calls over a broadband Internet connection. Simply plug a corded phone or cordless phone base station into the adapter and then plug the telephone adapter into a broadband-connected router or Internet gateway. Up to five and often more attached phones can be rung simultaneously using the built-in ring generator.

The Model 5806 supports industry-standard Session Initiation Protocol (SIPv2) and works with a wide range of service providers and SIP-based VoIP equipment.

Voice over IP Service providers can deliver a rich variety of advanced telephone services through the Model 5806 including CLASS features such as Call Waiting, Caller Identification, Call Transfer, Call Hold, Call Forwarding, Distinctive Ringing, and Voice Message Waiting Indication.

The VoIP telephone adapters can be configured remotely using a TFTP or HTTP download from the service provider and updates to the firmware can be automatically delivered. Local configuration is done with a browser-based graphical user interface.

Both units are built and supported by Zoom Technologies, a publicly-traded company with over 30 years of experience in telephony and data communications.

Specifications

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|--------------------------------|---|
| Analog Telephone Ports | <ul style="list-style-type: none">• One FXS type Loop-start interface with RJ-11• Up to 5 REN (Ringer Equivalence Number), will ring 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. |
| Status Indicators | <ul style="list-style-type: none">• Power, LAN link, VoIP ready, VoIP call-in-progress, Voice message waiting |
| Voice over IP (VoIP) Protocols | <ul style="list-style-type: none">• 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• SIP authentication (HHP Digest with MD5) |

Specifications (continued)

Network Protocols	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • G.711 - Pulse Code Modulation • iLBC (Internet Low Bitrate Codec) • G.729 (Model 5806 only)
Telephony	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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)j Ofo
Security	<ul style="list-style-type: none"> • Provisioning/Configuration/Authentication • Password-protected, Web based administration • ARC4 Encryption for TFTP Configuration Profiles • Authentication (Digest using MD5)
Size	<ul style="list-style-type: none"> • 14.6 cm X 11.2 cm X 2.8 cm (5.7 inches X 4.4 inches X 1.1 inches)
Minimum Requirements	<ul style="list-style-type: none"> • 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
Regulatory Approvals	<ul style="list-style-type: none"> • FCC Part 15B, ICES-003, IC LS-03, CE, CSA (C,US)

Package contents:

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



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