



VoIP Gateway

The Soundwin VoIP Gateway is fully H.323/SIP standard compliant residential gateway that provides a total solution for integrating voice-data network and PSTN. By simple installation, this revolutionary compact voice over IP (VoIP) gateway could be configured as 2 to 24 (Select Model) channels high density FXS/FXO VoIP Gateway which provides voice connectivity over the IP network and to the Public Switched Telephone Network (PSTN). The Soundwin Gateway is equipped NAT router function that provides Internet access using only one IP address.

Besides, it provides high voice quality and optimized packet voice streaming over managed and public (Internet) IP networks.



2 Port Gateway



2 / 4 / 8 Port Gateway



16 / 24 Port Gateway

Soundwin VoIP Gateways solutions leads the industry in performance, ease of installation and support. Available in VoIP implementations.

Interoperability :

Soundwin has achieved seamless interoperability with softswitches, SIP Proxy servers, H.323 gatekeepers, H.323/SIP Gateways and IP Phones and call agents of leading VoIP vendors:

Download list:

Scalibility :

Soundwin Products were designed to support both H.323 and SIP standards so that can be integrated with existing telephones, faxes, legacy PBX and Key systems and LAN/WAN equipment such as bridges, hubs, routers and switches. These characteristics enable gradual and strategic implementation within virtually any telephony/data network.

Relibility :

Soundwin products perform all required IP telephony tasks in one small enclosure. They code the voice signal and then compress, packetize and manage the flow of digital voice/fax information to permit high-quality and reliable communications over any TCP/IP network.

Feature-Rich :

Soundwin products and solutions offer a set of telephony and network features that provide one of the best price-performance product offering in the market. In addition to high-quality voice transmissions, Soundwin products offer the features required to interact effectively with the PSTN. more detail

VOIP Features

Both support H.323 and SIP

FXO Caller ID detection

Adjustable AC Termination Impedance

Life-Line support (IP/ power failure over relay)

Polarity Reversal : Type I



Telephony Specification:

Voice Codec: G.711(A - law/i-law), G.729 AB, G.723 (6.3Kbps/5.3Kbps)
 FAX support : T.30 / T.38
 Echo Cancellation: G.165/G168
 FXO Caller ID detection : DTMF and FSK
 Adjustable AC Termination Impedance : 600 / 900 OHM and complex Impedance
 Life-Line support (power failure over relay)
 Polarity Reversal : Type I and Type II

IP Specifications:

H.323 v2/v3/v4 and SIP (RFC 3261) , SDP (RFC 2327), Symmetric RTP, STUN (RFC3489), ENUM (RFC 2916), RTP Payload for DTMF Digits (RFC2833).
 LAN :NAT, Virtual Server, DHCP Server
 WAN: PPPoE client, DHCP client, Fix IP Address, DDNS client
 Network Address Translation: Providing build-in NAT router function.
 Smart QoS: Guarantee the voice bandwidth

Call Features

Voice channels status display
 Direct Dialing Mode : peer to peer call (Support IP Address Call or Domain Name Call)
 Register Call Mode : register to H.323 Gatekeeper or SIP Proxy Server
 Adjustable volume : - 9 db ~ 9 db
 Silence Compression
 Auto Dial for speed
 Dynamic Jitter Buffer

Configuration & Management

web-based Graphical User Interface
 RS232 for configuration
 Remote management over the IP Network
 FTP firmware upgrade
 Backup and Restore Configuration file
 General Specification
 AC power : AC100V-240V, DC12V/1.5A, 50/60 Hz
 Temperature: 0°C ~ 45°C (Operation)
 Humidity: up to 90% non-condensing
 Emmision: FCC Part 15 Class B,

	S200	S400	S800	S1600	S2400
Ethernet Interface	1 WAN + 4 LAN		1 WAN + 1 LAN		
RS 232 Console	No		1 RS 232		
LCD Panel	No			Yes	
Telephony channels	2 Analog Line	4 Analog Line	8 Analog Line	16 Analog Line	24 Analog Line
FXS/FXO	(2 FXS) (2 FXO) (1 FXS /1 FXO)	(4 FXS) 4 FXO) (2 FXS /2 FXO)	(8 FXS) 8 FXO) (4 FXS /4 FXO)	Select Module*	Select Module*
H.323 v2/v3/v4	✓	✓	✓	✓	✓
SIP (RFC 3261)	✓	✓	✓	✓	✓
Smart-QoS	✓	✓	✓	✓	✓
NAT Traversal	✓	✓	✓	✓	✓
Echo Cancellation	✓	✓	✓	✓	✓
G.711 a/u law	✓	✓	✓	✓	✓
G.723, G.729AB	✓	✓	✓	✓	✓
T.38/T.30	✓	✓	✓	✓	✓
RAT Router	✓	✓	✓	✓	✓
DHCP server	✓	✓	✓	✓	✓
Configuration & Management					
Web-based Graphical	✓	✓	✓	✓	✓
Remote management	✓	✓	✓	✓	✓
FTP firmware upgrade	✓	✓	✓	✓	✓
Backup and Restore	✓	✓	✓	✓	✓

***Modules Card Description and Function For S1600 , S2400 series**

- SB800 : 8 FXS Interface Module
- SB804 : 4 FXS + 4 FXO Interface Module
- SB808 : 8 FXO Interface Module
- SM800 : 8 FXS Interface Module
- SM804 : 4 FXS + 4 FXO Interface Module
- SM808 : 8 FXO Interface Module

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