



## 2/4 Analog Line Integrated Embedded SIP Proxy Server



*This SVR400/SVR200 series SIP Proxy Server is designed as an embedded-based platform. It performs internet telephony services, like registration status, call detail record and security registration policy. The SVR400/ SVR200 series provides a comprehensive, powerful platform for delivering IP telephony applications based on the Session Initiation Protocol (SIP). It also build in VoIP 2/ 4 voice channels Gateway which support SIP signal protocols.*

### ◉ SIP Proxy Server Key Features

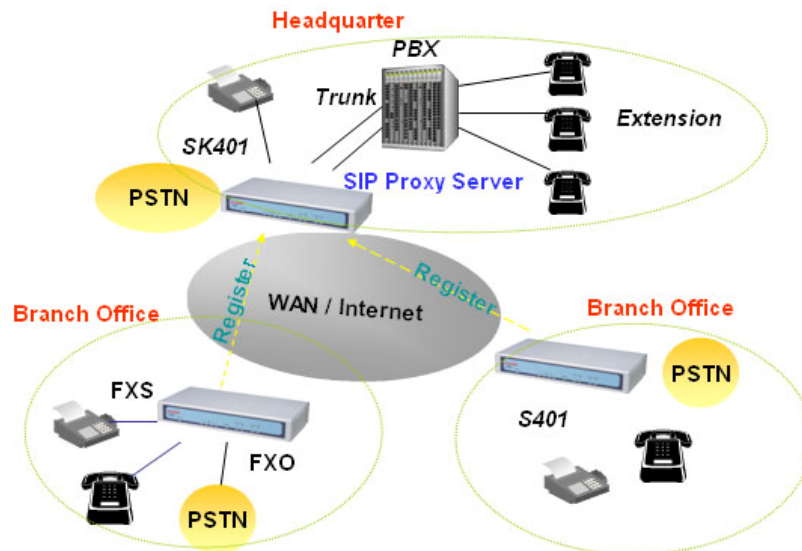
- ❑ 250 SIP endpoints scale: SVR400 / SVR 200 series providing 250 SIP endpoints to register.
- ❑ MSN like Status Display: SVR 400 / SVR 200 providing the status display on Soundwin IP Phone LCD panel. It can display the status like “eating” “idle” “leaving” ”busy” ”on call”. (Optional)
- ❑ Trunk Line Setting for Off-Net Call: SVR400 / SVR 200 series providing trunk interface for Off-Net call by ITSP. (Optional)
- ❑ Register Security Policy: SVR400 / SVR 200 series providing MD5 authentication setting on your VoIP network.
- ❑ Real time Call Detail Record and Post Call Detail Record Report : Support Real Time CDR to monitor VoIP calls, including caller ip, callee ip , call date , call duration and other information. Also providing a CDR report to look up VoIP call record.
- ❑ Top 20 list: SVR400 / SVR 200 series can lists top 20 calls by call duration, caller number, calling number, caller IP or callee IP address.
- ❑ Syslog: SVR400 send syslog information to Syslog server.

### ◉ VoIP Key Features

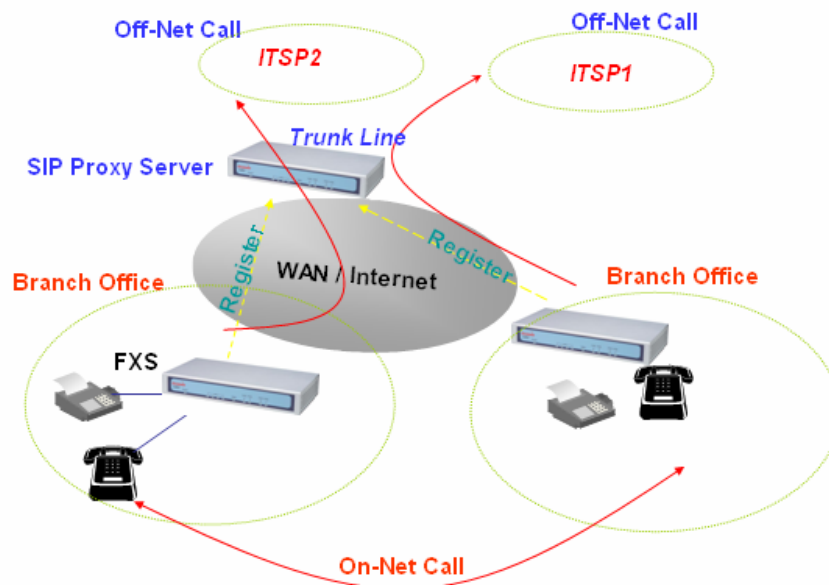
- ❑ Caller ID Delivery and Detection: FXS support DTMF&FSK Caller ID generation; FXO supports DTMF&FSK Caller ID detection.
- ❑ Smart VoIP call Dialing Book: VoIP call Book could provide any application VoIP call to any type destination (Domain name/IP address, PSTN or PBX) or hunting number setting.
- ❑ AC termination Impedance : 600/900 OHM and complex impedance
- ❑ Polarity Reversal Detection: Type I and Type II
- ❑ Smart-QoS Guaranteed: This bandwidth management feature provide good voice quality when user place VoIP call and access internet at the same time. The gateway will start reserve bandwidth for voice traffic automatically when VoIP call proceeds.
- ❑ Voice channels status display: This function display each port status like as onhook, offhook, calling number callee’s number, talk duration, codec.

• **Application Scenario:**

The following application was use in Multi-Office as an example:



**SIP Proxy Server VoIP Application (On-Net Call and Off-Net Call)**



• **Telephony Specification:**

- ☒ Voice Codec: G.711(A-law /  $\mu$ -law), G.729 AB, G.723 (6.3 Kbps / 5.3 Kbps).
- ☒ 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 (Internet / power failure over relay)
- ☒ Polarity Reversal : Type I and Type II
- ☒ Answer Supervision for Voice Detection

#### 🔴 IP Specifications:

- ☒ SIP (RFC 3261), SDP (RFC 2327), 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 Call Mode : peer to peer 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
- ☒ 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
- ☒ Emission: FCC Part 15 Class B, CE Mark
- ☒ Dimension : 260 x 130 x 35 mm
- ☒ Weight: 1500g

## SVR400/SVR200 SIP Proxy Server (Build in VoIP Gateway) Catalogue

	SVR400	SVR401	SVR402	SVR404	SVR200	SVR201	SVR202
<i>Ethernet Port</i>	4 LAN + 1 WAN						
<i>SIP Proxy Server</i>	SIP Proxy Server						
<i>Telephony Interface</i>	Quad RJ-11				Dual RJ-11		
<i>FXS/FXO</i>	4FXS	3FXS+1FXO	2FXS+2FXO	4FXO	2FXS	1FXS+1FXO	2 FXO
<i>SIP (RFC3261)</i>	✓	✓	✓	✓	✓	✓	✓
<i>Smart-Qos</i>	✓	✓	✓	✓	✓	✓	✓
<i>NAT Traversal</i>	✓	✓	✓	✓	✓	✓	✓
<i>Echo Cancellation</i>	✓	✓	✓	✓	✓	✓	✓
<i>G.711 a/μ law</i>							
<i>G.723, G729AB</i>	✓	✓	✓	✓	✓	✓	✓
<i>T.38/T.30</i>	✓	✓	✓	✓	✓	✓	✓
<i>NAT Router</i>	✓	✓	✓	✓	✓	✓	✓
<i>DHCP server for Private Network</i>	✓	✓	✓	✓	✓	✓	✓

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