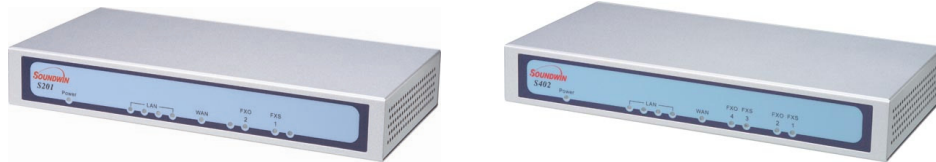




2/4 Analog Lines VoIP Gateway integrated H.323 Gatekeeper



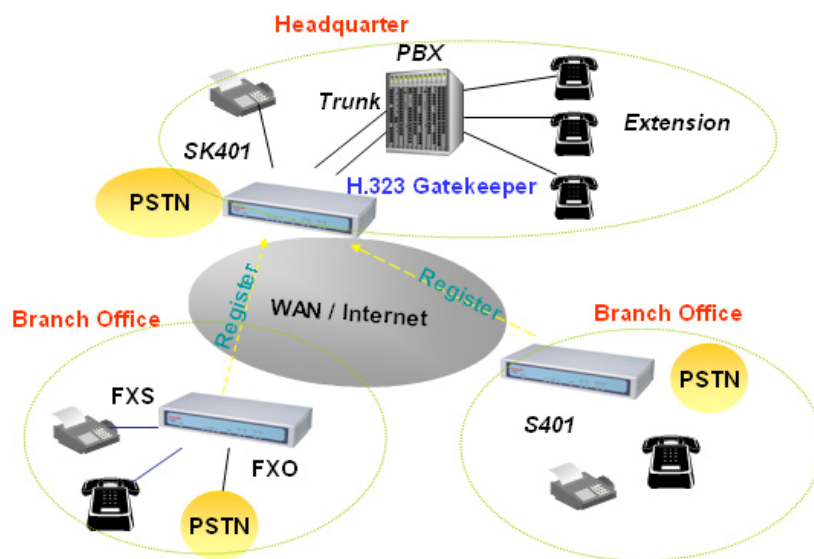
This Soundwin SK200/SK400 Series Gatekeeper is designed as an embedded-based platform. It performs internet telephony services, like registration, call detail record and security registration policy. Besides Gatekeeper function, SK200/SK400 series also build in VoIP Gateway which both support H.323 signal protocols. A variety of H.323 entities including IP phone, gateway, soft phones as well as different vendor's Gatekeepers have been well tested with.

o H.323 Gatekeeper Key Features

- ❑ 250 H.323 endpoints scale: SK400 providing 250 H.323 endpoints to register.
- ❑ Register Security Policy: SK400 providing security setting on your H.323 VoIP network. This provides protection for VoIP calls and insures proper endpoint identification.
- ❑ Pre-Granted Endpoints: letting other gateways or H.323 endpoints which were not register to this embedded gatekeeper. And the registered VoIP Gateways can make a call to these pre-granted endpoints..
- ❑ 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: SK400 Gatekeeper can lists top 20 calls by call duration, caller number, calling number, caller IP or callee IP address.
- ❑ Syslog: SK400 send syslog information to Syslog Server.

o Application Scenario:

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



• **Telephony Specification:**

- ☒ Voice Codec: G.711(A - law/ μ -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 (IP/ power failure over relay)
- ☒ Polarity Reversal : Type I and Type II
- ☒ Answer Supervision for Voice Detection

• **IP Specifications:**

- ☒ H.323 v2/v3/v4
- ☒ 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
- ☒ 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
- ☒ Syslog support

• **General Specification**

- ☒ AC power : AC100V-240V, DC12V/1.5A,50/60 Hz
- ☒ Temperature: 0°C ~ 40°C (Operation)
- ☒ Humidity: up to 90% non-condensing
- ☒ Emission: FCC Part 15 Class B, CE Mark
- ☒ Dimension : 260 x 130 x 35 mm
- ☒ Weight: 900g (Aluminum)

SK400/SK200 VoIP Gateway Catalogue

| | SK400 | SK401 | SK402 | SK404 | SK200 | SK201 | SK202 |
|--|---------------------------|-----------|-----------|-------|------------|-----------|-------|
| <i>Ethernet Port</i> | 4 LAN + 1 WAN | | | | | | |
| <i>H.323 Gatekeeper</i> | Embedded H.323 Gatekeeper | | | | | | |
| <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>H.323 v2/v3/v4</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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