



2/4/8 Analog Lines VoIP Gateway Integrated H.323 Gatekeeper



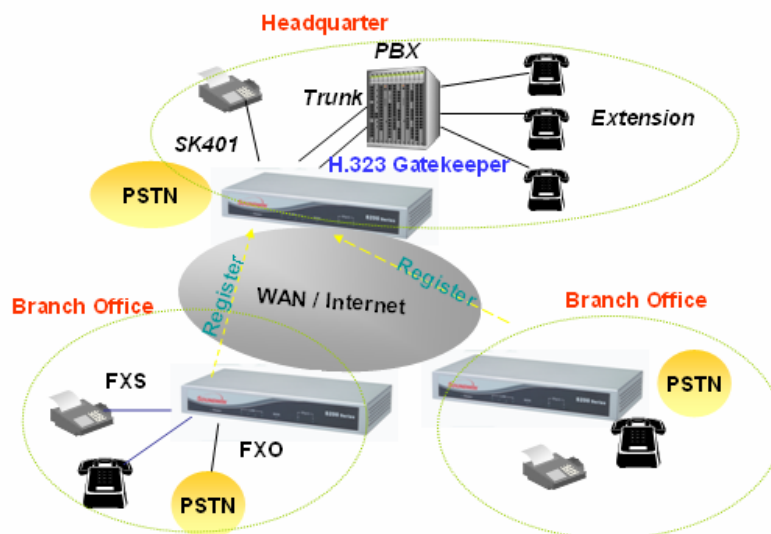
This Soundwin SK200/SK400/SK800 series Gatekeeper is designed as an embedded-based platform. It performs internet telephony services for status of registration, call detail record and security registration policy. SK200/SK400/SK800 series Gatekeeper provides centralized address translation and controls access to the H.323 terminal Networks compatible with all H.323 v2/v3/v4 IP telephony products, including the entire Soundwin Internet Voice Gateway line. Beside of Gatekeeper function, SK200/SK400/SK800 series also build in 2/4/8 voice channels which supports H.323 signal protocols.

◉ H.323 Gatekeeper Key Features

- ☒ 100 H.323 endpoints scale: Providing 200 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 an Off-Net 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 , called ip , call date , call duration and other information. Also providing a CDR report to look up VoIP call record.
- ☒ Top 20 list: Listing top 20 calls by call duration, caller number, calling number, caller IP or callee IP address.
- ☒ Syslog Client: Providing CDR information to Syslog Server.

◉ Application Scenario:

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



VoIP Gateway Specification:

- ☒ Voice Codec: G.711(A-law / μ -law), G.729 AB, G.723 (6.3 Kbps / 5.3Kbps)
- ☒ FAX support : T.30 / T.38
- ☒ Echo Cancellation: G.165/G168
- ☒ FXO hang up detection / anti-seized : Tone Learning Automatically / Manual Tone Learning.
- ☒ Answer supervision: Support Battery Reverse Detection and Voice Detection.
- ☒ FXO answer delay time: Support delay 0 – 8000 ms to answer.
- ☒ Adjustable AC Termination Impedance : 600 / 900 OHM and complex Impedance
- ☒ 12K Hz and 16K Hz Metering **(Customized)**

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 client 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 : SK200/SK400 Series: 260 x 130 x 35 mm
SK800 Series: 300 x 160 x 40 mm
- ☒ Weight: SK200/SK400 Series: 900g(Aluminum)
SK800 Series:1200g(Aluminum)

SK200/SK400/SK800 Series VoIP Gateway Build in H.323 Gatekeeper 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>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>	✓	✓	✓	✓	✓	✓	✓

	SK800	SK802	SK804	SK808
<i>Ethernet Port</i>	1 LAN + 1 WAN			
<i>H.323 Gatekeeper</i>	Embedded H.323 Gatekeeper			
<i>Telephony Interface</i>	Octal RJ-11			
<i>FXS/FXO</i>	8FXS	6FXS+2FXO	4FXS+4FXO	8FXO
<i>H.323 v2/v3/v4</i>	✓	✓	✓	✓
<i>Smart-Qos</i>	✓	✓	✓	✓
<i>Echo Cancellation</i>	✓	✓	✓	✓
<i>G.711 a/μ law</i> <i>G.723, G729AB</i>	✓	✓	✓	✓
<i>T.38/T.30</i>	✓	✓	✓	✓

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