

# VoIP Gateway

The 065-9200S/065-9400S Series VoIP Gateway is fully both H.323 and 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 a 2/4 FXS/FXO VoIP Gateway which provides voice connectivity over the IP network and to the Public Switched Telephone Network (PSTN). Gateway is equipped with a four port Ethernet switch and built-in 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.



Model 065-9404s

The Signamax 065-9800 Series 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 8 channels high density FXS/FXO VoIP Gateway which provides voice connectivity over the IP network and to the Public Switched Telephone Network (PSTN). The 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.

## SPECIFICATIONS

### RJ-45

LAN 1 – 4x for PC connection

### RJ-11 PHYSICAL INTERFACE

Up to 8x FXO/FXS voice ports

### POWER

Voltage: DC 12V  
Current: 1A

### LED

WAN: WAN link status indication  
LAN: LAN link status indication  
Status: VoIP status indication  
Power: Power status indication  
Phone: Analog phone status indication 5

### PROTOCOL

SIP RFC 3261, Outbound proxy, Support IP or domain name for primary and secondary proxy address and auto switching is enabled.

### CALL FUNCTION

Call Forwarding, Call Transfer, Un-connection LED alarm, Call Hold, Calling Number Delivery

### VOICE FEATURE

Voice codec, G.711 (A-law/ $\mu$ -law), G.723.1, G.729, G.711 FAX pass-through mode, RTP / RTCP, Echo Cancellation G.168, Silence Detection/Suppression, Comfort Noise Generation, DTMF Detection/Generation, Call Tone Generation

### NETWORK

Network connection, PPPoE (RFC 2516) a. Account / password can be saved, b. Auto reconnection after disconnection, DHCP client (for WAN port), Static IP, DHCP Server and NAT, Bridge for LAN interface, QoS, ToS, Diff Serv, Support SNTP

### SYSTEM MANAGEMENT

Support Web, Telnet for remote control, Username / Password for login to make configuration

### FIRMWARE UPDATE / UPGRADING

TFTP / FTP / Web remote update

### ENVIRONMENT

AC Power, 110 – 220V  $\pm$  10V, 60 Hz  $\pm$  3Hz, Environment, Temperature: 0° – 40°C, Humidity: 10-90% RH

### CERTIFICATION

FCC Part 15, CE Class B, LVD



Model 065-9201s

## VoIP Gateway

PART NO.	DESCRIPTION
065-9200s	VoIP Gateway 1xWAN, 4xLAN, 2xFxs
065-9201s	VoIP Gateway 1xWAN, 4xLAN, 1xFxs, 1xFxo
065-9200s	VoIP Gateway, 1xWAN, 4xLAN, 2xFXo
065-9400s	VoIP Gateway 1xWAN, 4xLAN, 4xFxs
065-9401s	VoIP Gateway 1xWAN, 4xLAN, 3xFxs, 1xFxo
065-9402s	VoIP Gateway 1xWAN, 4xLAN, 2xFxs, 2xFxo
065-9404s	VoIP Gateway 1xWAN, 4xLAN, 4xFxo
065-9800s	VoIP Gateway 1xWAN, 4xLAN, 8xFxs
065-9802s	VoIP Gateway 1xWAN, 4xLAN, 6xFxs, 2xFxo
065-9804s	VoIP Gateway 1xWAN, 4xLAN, 4xFxs, 4xFxo
065-9806s	VoIP Gateway 1xWAN, 4xLAN, 2xFxs, 6xFxo
065-9808s	VoIP Gateway 1xWAN, 4xLAN, 8xFxo

## VoIP Gateway

This Signamax 065-9400SVR and 065-9200SVR 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 Signamax 065-9400SVR 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.

This 065-9200SK/065-9400SK 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, 065-9200SK/065-9400SK also build in VoIP Gateway which both support H.323 and SIP 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.



065-9201svr



065-9201sk

### VoIP Gateway w. SIP Proxy Server

PART NO.	DESCRIPTION
065-9200svr	VoIP Gateway w. SIP Proxy Server 1xWAN, 4xLAN, 2xFxs
065-9201svr	VoIP Gateway w. SIP Proxy Server 1xWAN, 4xLAN, 1xFxs, 1xFxo
065-9202svr	VoIP Gateway w. SIP Proxy Server 1xWAN, 4xLAN, 2xFXo
065-9400svr	VoIP Gateway w. SIP Proxy Server 1xWAN, 4xLAN, 4xFxs
065-9401svr	VoIP Gateway w. SIP Proxy Server 1xWAN, 4xLAN, 3xFxs, 1xFxo
065-9402svr	VoIP Gateway w. SIP Proxy Server 1xWAN, 4xLAN, 2xFxs, 2xFxo
065-9404svr	VoIP Gateway w. SIP Proxy Server 1xWAN, 4xLAN, 4xFxo

### VoIP Gateway w. H.323 Gatekeeper

PART NO.	DESCRIPTION
065-9200sk	VoIP Gateway w. H.323 Gatekeeper 1xWAN, 4xLAN, 2xFxs
065-9201sk	VoIP Gateway w. H.323 Gatekeeper 1xWAN, 4xLAN, 1xFxs, 1xFxo
065-9202sk	VoIP Gateway w. H.323 Gatekeeper 1xWAN, 4xLAN, 2xFXo
065-9400sk	VoIP Gateway w. H.323 Gatekeeper 1xWAN, 4xLAN, 4xFxs
065-9401sk	VoIP Gateway w. H.323 Gatekeeper 1xWAN, 4xLAN, 3xFxs, 1xFxo
065-9402sk	VoIP Gateway w. H.323 Gatekeeper 1xWAN, 4xLAN, 2xFxs, 2xFxo
065-9404sk	VoIP Gateway w. H.323 Gatekeeper 1xWAN, 4xLAN, 4xFxo

## SPECIFICATIONS

#### All models svr/sk

#### TELEPHONY SPECIFICATION

Voice Codec: G.711, 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 (IP/ power failure over relay)  
 Polarity Reversal: Type I and Type II

#### IP SPECIFICATIONS

H.323 v2/v3/v4 and SIP (RFC 3261), RAS, SDP (RFC 2327),  
 Symmetric RTP, STUN (RFC3489), ENUM (RFC 2916).  
 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 – 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:** AC100 – 240V, DC12V / 1.5A, 50 – 60 Hz  
**Temperature:** 0° – 45°C (Operation)  
**Humidity:** up to 90% non-condensing  
**Emmission:** FCC Part 15 Class B, CE Mark  
**Telephone Safety:** FCC Part 68  
**Dimension:** 260 x 130 x 35 mm  
**Weight:** 900 g (Aluminum)

## NETWORK CONNECTIVITY SYSTEMS