
REVCORD ANALOG TO VOIP GATEWAYS

Knowledge Based Article

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INTRODUCTION

Co-developed with our manufacturer partner, the Revcord Analog Gateway Products

provides a powerful, reliable, and cost-effective VoIP solution for such occasions as IP call centers and multi-branch agencies.

HARDWARE DESCRIPTION

REVG4/S 4-PORT ANALOG TO VOIP GATEWAY

The 4-port Analog Gateway has 2 FXS ports and 2 FXO ports. It supports one LAN and has an external 12V power supply.

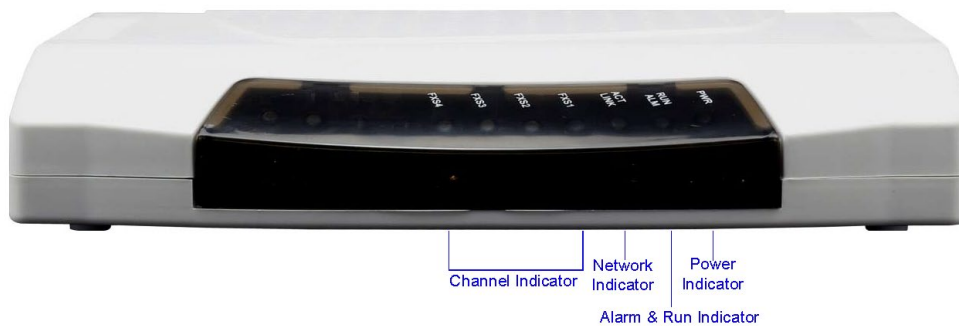
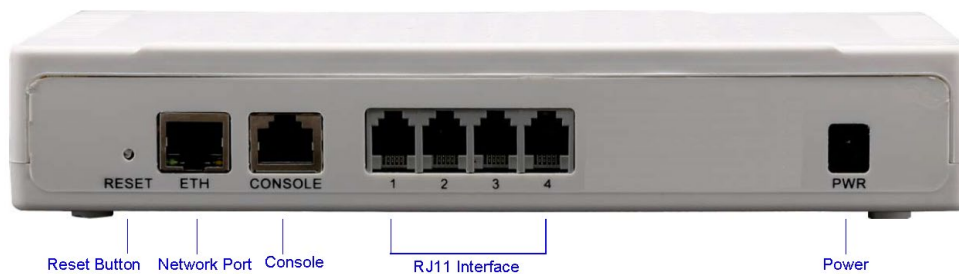


Figure 1-2 SMG1004B-4S Front View



REVG8/S 8-PORT ANALOG GATEWAY

The 8-port Analog Gateway has 4 FXS ports and 4 FXO ports. It supports one LAN and has an external 12 power supply.

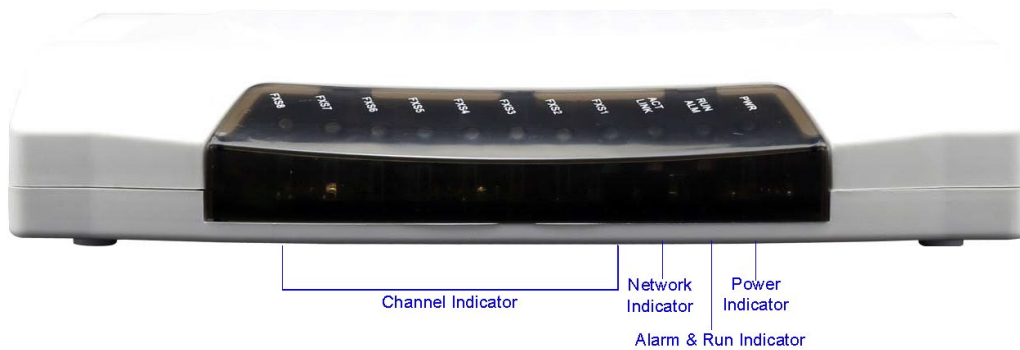
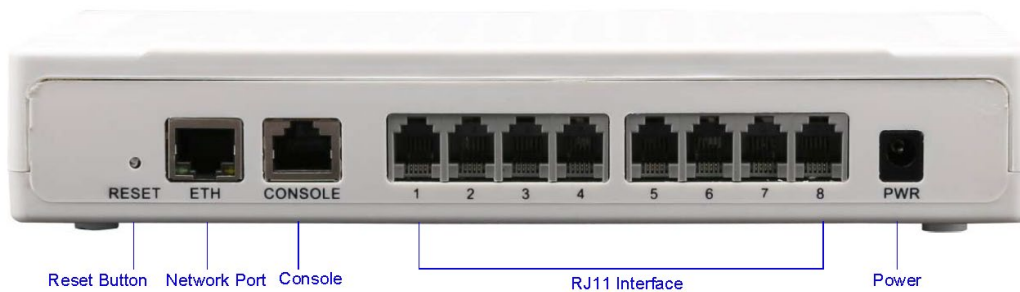


Figure 1-4 SMG1008B-8S Front View



REVG16/S 16-PORT ANALOG GATEWAY

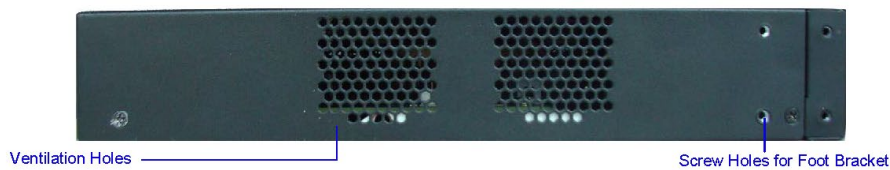
The 16-port Analog Gateway has 8 FXS ports and 8 FXO ports. It supports one LAN.



Figure 1-6 SMG1016B4-16S Front View



Figure 1-7 SMG1016B4-16S Rear View



FEATURE LIST

REVCORD Analog Gateway models provide the following features.

Basic Features	Description
TDM Call	Call initiated from TDM to IP, via routing and number manipulation to obtain the called IP address.
IP Call	Call initiated from IP to TDM, via routing and number manipulation to obtain the call destination.
Number Manipulation	Peels of some digits of a phone number from left/right or adds a prefix/suffix to a phone number.
Call Forward	Three options: Unconditional, Busy, and No Reply.
Call Waiting	When an FXS channel receives another call while it is in conversation, it will have the newly received call keep waiting. Once the current call is finished, the new one will ring the FXS channel and wait for its answer.
Auto Dial	If there is no dialing operation in a designated time period after pickup, the preset auto-dial number will be called.
Do Not Disturb	Rejects all incoming calls to the channel.
CID	Displays the CallerID
Echo Cancellation	Provides the echo cancellation feature for all call conversations over the FXS channel.
TDM/VoIP Routing	Sets a routing path: from IP to TDM or from TDM to IP
Fax	Provides multiple fax parameters: fax mode, maximum fax rate, fax train mode, error correction mode, etc.
Communication without Power	Provides composite modules to enable a direct connection of the station linked with the FXS port and the trunk linked with the FXO port to keep the calls between the FXS port and the PSTN uninterrupted during a power outage.
Communication without Network	Automatically routes a call to the FXO port in case of network failure or call timeout.
Send Polarity Reversal Signal	Sends the polarity reversal signal to a corresponding FXS channel when the called party pick-up behavior is detected.

Basic Features Continued...	
Detect Polarity Reversal Signal	Turns a corresponding channel into the talking state when the FXO ports detects the polarity reversal signal.
Simultaneous Register to Multiple Servers	Registers the gateway to a master registrar server and a spare registrar server simultaneously.
IMS Network	Registers the gateway to a server under IMS network.
SIP Station	Supports a SIP terminal to be registered to the gateway and become a SIP Station.
Group Ringing	Rings all the idle FXS ports in a port group.
Ringing by Turns	Rings the FXS ports in a port group by turns according to the <i>Rule for Ringing by Turns</i> .
Preemptive Answer	When a channel in a port group is ringing, another channel in the same port group can press the preemptive answer keyboard shortcut to transfer the call from the ringing channel to the current channel.
Centralized Manage	The gateway can register to Synway DCMS and accept the management of the platform.

Signaling & Protocol	Description
SIP Signaling	Supported protocol: SIP V1.0/2.0, RFC3261
Voice	CODEC: G.711A, G.711U, G.729A/B, G.723, G.722, AMR, iLBC DTMF Mode: RFC2833, SIP INFO, INBAND

Network	Description
Network Protocol	Supported protocol: TCP/UDP, HTTP, ARP/RARP, DNS, NTP, TFTP, TELNET, STUN
Static IP	IP Address modification support.
DHCP	IP Address dynamic allocation support
DNS	Domain Name Service support.

Security	Description
Admin Authentication	Supports Admin authentication to guarantee resource and data security.
System Monitor	Monitors the running status of the system and the server

Maintain & Upgrade	Description
WEB Configuration	Support of configurations through the WEB user interface.
Software Upgrade	Support of user interface, gateway service, kernel and firmware upgrades based on WEB