SMG1000-D4SP

FXS VoIP Gateway

- Cost effective gateway with 4 FXS ports
- Fax over IP (T.38 and Pass-Through)
- Support IPv4 and IPv6
- TR069 and SNMP
- Multiple codecs: G.711A/U,G.723.1,G.729A/B,AMR, etc.
- Fully compatible with leading IMS/NGN, SIP based IP telephony system

SMG1000-D4SP Analog Gateway converts analog PSTN messages into a format suitable for transmission over standard IP networks. The device offers 4 FXS ports, fax over IP and flexible dial plans. It is ideally suited for small and medium businesses, call centers and multi-location environments that need VoIP services. SMG1000-D4SP supports the standard SIP protocol and it's compatible with leading IMS/NGN platforms and SIP- based IP telephony systems.

VoIP | TR-069 | FAX | Hotline | NAT

Cloud | VLAN | Recording | VPN | QoS

Key Features and Benefits

● **Fit to Diverse Applications**

Used to connect IP telephones to a legacy PBX, integrate network-hosted applications with the PBX, extend the PBX to branch offices, and integrate various voice and call processing capabilities in an enterprise LAN or WAN environment.

● **Flexible Call Routing**

Route calls from the switched network to a VoIP destination on the IP network or conversely, and support the following call routing options: TDM to IP or IP to TDM, with IP load balancing, IP fault tolerance.

● **Controlled Migration to IP**

Compatible with general FXS lines, and a variety of popular PBX manufacturers (Digital PSTN lines compliance would be available), and protects investment in legacy telecommunications equipment.

● **User-Friendly Management**

Supports configuration via serial, Telnet, and a web browser including context-sensitive help Easy to install, configure, debug, and maintain.

● **Enhanced Voice/Fax Processing**

Supports a variety of compression algorithms, including G.711 A-law and μ-law, G.729A/B; Transcode fax from T.30 fax protocol (supporting V.17) to T.38 for transmission over a packet network.

● **Web Server Interface & Hot Swap**

Each gateway unit is delivered with a web server interface, allowing configuration and software upgrades via a web browser; Allows gateway units to be added or removed without affecting other gateway.

Technical Specification:

Physical Interfaces

Capacity: 4 FXS with RJ11

Ethernet Interfaces:

2*LAN, 10/100M, RJ-45

Console:1*RS232, 115200bps

Dimensions(W/D/H): 140*100*30mm

Unit Weight: about 0.2kg

Voice & FAX

G.711A/U law, G.723.1, G.729 A/B, AMR,iLBC

Silence Suppression

Comfort Noise Generation(CNG) Voice Activity
Detection(VAD)

Echo Cancellation(G.168), with up to 128ms

Adaptive (Dynamic) Jitter Buffer Hook Flash

Programmable Gain Control

T.38/Pass-through

High speed fax up to 14.4kbps Modem/POS

DTMF mode: Signal/RFC2833/INBAND

VLAN 802.1P/802.1Q

(data/voice/management VLANs) Layer3 QoS and DiffServ

Supplement Service

Call Waiting Blind Transfer Attend Transfer

Call Forward on Busy

Call Forward on No Reply Unconditional Call Forward

Warm/Immediately Hotline

Call Hold

Do-not-disturb

3-Way Conference Message Waiting Indicator

FXS

Connector: RJ11

Dial Mode: DTMF and Pulse

Caller ID: DTMF/FSK CLI Presentation

Max Cable Length: 5 km

Reversed Polarity

Programmable Call Progress Tone

Software Features

Hunting Group Web ACL

PPPoE/IPv4/IPv6

Digitmap

Routing Rules based Prefixes Caller/Called Number
Manipulation

Maintenance

SNMP v1/v2/v3

TR069

Auto Provisioning Web/Telnet

Configuration Backup/Restore

Firmware Upgrade via Web CDR

Syslog(Emerg,alert, critical,error warning,notice,info, debug)

Ping/Tracert Test Network Capture

NTP/Daylight Saving Time

Cloud-based Management

VoIP

Protocol:

SIP v2.0 (UDP/TCP),RFC3261 SDP,RTP(RFC2833), RFC3262,
3263,3264,3265,3515,2976,3311

SIP TLS/SRTP

RTP/RTCP, RFC2198, 1889

RFC4028 Session Timer

RFC3581 NAT,rport Primary/backup SIP server Outbound
Proxy

DNS SRV/ A Query

SIP Trunk

Early Media/Early Answer

NAT:STUN, Static/Dynamic NAT

Environmental

Power Supply: 100-240VAC, 50-60 Hz Power

Consumption:40W(Typical)

Operating Temperature:0 ℃ ~ 45 ℃

Storage Temperature: -20 ℃ ~85 ℃

Humidity:10%-90% Non-Condensing