

SMG1000-D8SP

FXS VoIP Gateway

- Cost effective gateway with 8 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-D8SP Analog Gateway converts analog PSTN messages into a format suitable for transmission over standard IP networks. The device offers 8 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-D8SP 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: 8 FXS with RJ11

Ethernet Interfaces:

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

Console:1*RS232, 115200bps

Dimensions(W/D/H): 186*108*30mm

Unit Weight: about 0.55kg

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

WWW.SYNWAY.NET

Skirt Building, No. 1 Building,
ZhongHeng Century Science Park, No.
4028, NanHuan Rd, BinJiang, Hangzhou,
China 310053



HANGZHOU SYNWAY INFORMATION ENGINEERING CO., LTD.

Founded in 1995 in Hangzhou, SYNWAY is a leading global provider of IP Unified Communication products including VoIP Gateways, IP PBXs and SBCs. We have been delivering more agile, efficient and affordable communication solutions and unparalleled communication experiences to our customers with our reliable, innovative and future-proof products for years. Through our value-added distributors and resellers worldwide, now SYNWAY serves telecom operators, service providers, system integrators, enterprises, SMBs and OEM partners in over 100 countries.