SMG1000-D32SPR

FXS VoIP Gateway

- Cost effective gateway with 32 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-D32SPR Analog Gateway converts analog PSTN messages into a format suitable for transmission over standard IP networks. The device offers 32 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-D32SPR supports the standard SIP protocol and it's compatible with leading IMS/NGN platforms and SIP- based IP telephony systems.

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: 32 FXS with RJ11, RJ21
Ethernet Interfaces: 4* LAN, 10/100Mbps, RJ-45
Console:1*RS232, 115200bps
Dimensions(W/D/H): 440*267*44mm
Unit Weight: about 4kg

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, RJ21
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

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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.