



8 Port Analog Lines High Density VoIP Gateway

Specification:

VoIP Key Features :

- Support SIP and H.323 protocols: SIP Registration and Digest Authentication; H.323 Gatekeeper Registration
- SIP Single Number / Account for multiple ports
- Caller ID Delivery: FXS support DTMF&FSK Caller ID generation
- Smart VoIP call Dialing Book: VoIP call Book could provide any application VoIP call to any type destination (Domain name / IP address, PSTN or PBX) or hunting number setting
- AC termination Impedance : 600/900 OHM and complex impedance
- Answer Supervision for Polarity Reversal Detection and Voice detection
- NAT traversal: This feature allow gateway to operate behind any NAT/Firewall device. Need not to change any configuration of NAT/Firewall like setting virtual server
- Smart-QoS Guaranteed : This bandwidth management feature provide good voice quality when user place a VoIP call and access internet at the same time. The gateway will automatically start to reserve bandwidth for voice traffic when VoIP call proceeds
- Call Hunting Facility: This function helps gateway to use the lines effectively. This facility automatically transfers your incoming call to a free line. Subscribers need not indicate numerous numbers of each port of gateway
- Voice channels status display: This function display each port status like as on-hook off-hook, calling number called number, talk duration, codec
- Flash Detection and Generation Program: FXO support Flash Generation and FXS support Flash Detection
- FXO answer Mode : FXO provides Ringing Answer, Connection Answer and Non Answer for configuration
- VoIP Encryption: Encrypt peer to peer VOIP calls can avoid VoIP blocking of internet

Telephony Specification:

- Voice Codec: G.711(A-law / μ -law), G.729 AB, G.723 (6.3 Kbps / 5.3Kbps)
- FAX support : T.30 / T.38
- Echo Cancellation: G.165/G168
- FXS Tone Table Configuration: Support tone frequency and cadence configuration
- FXO hang up detection / anti-seized : Busy Tone Learning Automatically / Manual Busy Tone Learning
- Answer supervision: Support Battery Reverse Detection and Voice Detection
- FXO answer delay time: Support delay 0 – 8000 ms to answer
- Adjustable AC Termination Impedance : 600 / 900 OHM and complex Impedance
- Failsafe Mechanism (FXS relay to FXO) : Power failed bypass support / Internet Failed bypass / Registered Failed bypass / Unconditional bypass
- 12K Hz and 16K Hz Pulse Metering (**Customized**)
- Support MWI (Message Waiting Indicator) by SIP Notify

Specification:

IP Specification :

- H.323 v2/v3/v4 and SIP (RFC 3261) , SDP (RFC 2327), Symmetric RTP, STUN (RFC3489), ENUM (RFC 2916), RTP Payload for DTMF Digits (RFC2833), Outbound Proxy Support
- LAN :Support Virtual Server, DHCP Server
- WAN: Support PPPoE client, DHCP client, Fix IP Address, DDNS client
- Network Address Translation: Providing build-in NAT router function
- Smart QoS: Guarantee the voice bandwidth
- IP TOS (IP Precedence) / DiffServ

Call Features :

- Voice channels status display
- Direct Dialing Mode : peer to peer call (support IP Address Call or Domain Name Call)
- Register Call Mode : register to SIP Proxy Server or H.323 Gatekeeper
- Adjustable volume : - 9 db ~ 9 db
- Silence Compression / VAD
- Auto Dial for speed
- Dynamic Jitter Buffer
- Hot-Line and Warm-Line Support

Configuration & Management :

- Web-based Graphical User Interface
- RS232 for configuration
- Remote management over the IP Network
- FTP firmware upgrade
- Backup and Restore Configuration file
- Syslog client support
- Auto-Provision

General Specification :

- AC power : AC100V-240V, DC12V/1.5A,50/60 Hz
- Temperature: 0°C ~ 40°C (Operation)
- Humidity: up to 90% non-condensing
- Regulatory Compliance:
FCC Part 15 Class B, CE Mark
- RoHS Compliant
- Dimension : 260 x 130 x 35 mm
- Weight: 1200g (Aluminum)

Ordering Information:

ITG-SH800 : 8 Port SIP / H.323 VoIP Gateway (8*FXS)

ITG-SH804 : 8 Port SIP / H.323 VoIP Gateway (4*FXO + 4*FXS)

ITG-SH808 : 8 Port SIP / H.323 VoIP Gateway (8*FXO)

* Product specification subject to change without notice.