

GA100-8T SIP ATA Gateway

This product is designed to convert analog telephone lines from carriers and enterprise PBXs to SIP protocol for interconnection with softswitch systems on the IP side. It delivers a powerful, stable, reliable, and cost-effective VoIP solution for IP call centers and multi-branch organizations.



Highlights

- Supports 8-channel (FXO) voice services and is equipped with 2 Ethernet ports.
 - Supports free call conversion between TDM and IP. Supports configuration via a Web interface and remote software upgrade.
 - Efficient Management and Maintenance: Offers a quick installation wizard and Web-based management page.
 - Supports SIP/IMS protocols and VPN client functionality. The FXO ports support polarity reversal detection.
- Exhibits strong compatibility with various softswitch platforms and high adaptability.
- Professional hardware-based echo cancellation design ensures high-quality voice communication.

Generic

- Support 8 concurrent calls
- Supports 8-channel (FXO) voice services
- Supports conversion between TDM and IP calls
- Supports SIP/IMS protocols
- Secondary Dialing
- SIP Agent
- NET Settings
- Supports Simultaneous Registration of Multiple Servers (Primary and Backup)
- Centralized Management
- Tone Detector
- Number Change
- Automated Gateway Configuration Deployment
- ACL extension registration and web access support ACL

Audio

- Narrowband codec: G.711a/u, G.723, G.729A/B, iLBC, AMR
- DTMF: In-band, Out-of-Band (RFC2833/ SIP INFO)
- Acoustic Echo Canceller (AEC)

FXO features

- Calling Number Detection
- Secondary Dialing
- Polarity Reversal Signaling
- Tone Detection
- Outgoing Calls Barred
- Incoming Call Blacklist
- Custom Routing
- FXO Line Disconnect Alarm

Network

- 10/100Mbps Ethernet
- IP Mode: IPv4/IPv6
- IP Configuration: Static IP / DHCP
- IP address and DNS domain name resolution
- Support VPN Client
- Firewall

Protocols

- DHCP
- TCP/UDP
- HTTP/HTTPS
- TFTP
- NTP
- STUN
- TR-069
- DNS
- TELNET
- ARP/RARP
- SRTP
- TLS
- SIP/IMS
- SNMP

Deployment & Management

- Web Management
- Supported Languages: Chinese, English, and Russian
- Firmware Upgrades
- Tracing test Web-based Ping test Tracert test
- Supports administrator authentication
- Monitors system and service status
- Support centralized management by a third party
- Automatic Deployment
- Syslog (Error, Warning, Info, Debug)

Physical Specifications

- FXO ports x8: RJ11 x8
- Ethernet ports: RJ45 x2
- USB ports x1: Mini USB
- Lightning Protection Grade: Level 4
- Reset button x1: Press and hold for 8 seconds to restore to factory settings
- Indicator lights: PWR, RUN, ALM, FXO
- Device dimensions: 186 × 30 × 108 mm
- Weight: 0.55 kg
- Working temperature: 0°C~45°C
- Storage Temperature: -20°C~85°C
- Working humidity: 8%~90%, No condensation
- Storage Humidity: 8%~90%, No condensation