

GA100-16 SIP ATA Gateway

The GA100-16 gateway is a terminal access device within Fanvil's communication products and solutions portfolio. It is used to connect traditional telephones, fax machines, POS machines, and other to IP-based telephone networks, delivering a powerful, stable, reliable, and cost-effective VoIP solution for IP call centers and multi-branch offices.



Highlights

- ✓ Supports 16 FXS voice access ports and is equipped with 4 Ethernet ports, meeting small-to-medium-scale access requirements.
- ✓ Enables seamless call conversion between TDM and IP; supports configuration via a Web interface as well as software update and upgrade.
- ✓ Facilitates efficient management and maintenance: a quick installation wizard and Web management page are provided.
- ✓ Supports SIP/IMS protocols and VPN client functionality; its FXS ports support polarity reversal transmission. It offers strong compatibility with various softswitch platforms and excellent adaptability.
- ✓ Features a professional hardware-based echo cancellation design to ensure high-quality voice communication.

Generic

- Supports 16-channels (FXS) voice services
- Enable 16 concurrent calls
- Supports conversion between TDM and IP calls
- Supports SIP/IMS registration
- 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 mode : In-band, Out-of-Band (RFC2833/ SIP Info)
- Acoustic Echo Canceller (AEC)

FXS Features

- Three-party conferencing
- Group ringing
- Round-robin ringing
- Pick-up
- Call forwarding
- Call waiting
- Do not disturb
- Hook Flash Detection
- Calling Number Delivery: FSK and DTMF
- Auto-dialing
- Caller ID
- Fax
- Polarity Reversal

Network

- 10/100/1000 Mbps Ethernet
- IP Mode:IPv4/IPv6
- IP Configuration: Static IP / DHCP
- Support VPN client
- Firewall

Protocol

- TCP
- UDP
- HTTP
- HTTPS
- ARP/RARP
- DNS
- NTP
- TFTP
- TELNET
- STUN
- SRTP
- TLS
- SIP/IMS
- TR069
- 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

- FXS Ports: RJ11 x16
- Ethernet Ports: RJ45 x4
- USB Port x1: Mini USB x1
- Lightning Protection Grade: Level 4
- Reset Button x1: Press and hold for 8 seconds to restore to factory settings
- Indicator lights: PWR, RUN, ALM, FXS
- Device Dimensions: 440 × 44 × 202 mm
- Weight: 2.7 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