

GA100-4 SIP ATA Gateway

The GA100-4 gateway is a terminal access device within Fanvil's communication products and solutions portfolio. It is used to connect traditional telephones, fax machines, and POS machines 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 4 FXS voice access ports and is equipped with 2 Ethernet ports, meeting small-scale access requirements.
- Enables seamless call conversion between TDM and IP. Supports configuration via a Web interface and software 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 4-channel (FXS) voice services
- Enables 4 concurrent calls
- Supports conversion between TDM and IP calls
- Supports SIP/IMS registration
- Supports functions such as Caller ID, Number Change, Call Transfer, Call Waiting, and Auto Dialing.
- FXS ports support features such as Group Ringing, Round-robin Ringing, and Call Intercept.
- 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)

FXS features

- Three-party conferencing
- Group ringing
- Round-robin ringing
- Pick-up
- Call Forward
- Call Waiting
- Do-Not-Disturb
- Hook Flash Detection
- Calling Number Delivery: FSK and DTMF
- Auto-dialing
- Caller ID
- Fax
- Polarity Reversal Signaling

Network

- 10/100 Mbps Ethernet
- IP Mode: IPv4/IPv6
- IP Configuration: Static IP/DHCP

- IP address and DNS domain name resolution
- Supports VPN client
- Firewall

Protocols

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

Deployment & Management

- Web Management
- Supported Languages: Chinese, English, and Russian
- Firmware Upgrades
- Tracing test Web-based Ping test or 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

- 2 Ethernet Ports
- USB Port x1: Mini USB x1
- 4 FXS Ports
- 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: 140 mm × 30 mm × 100 mm
- Weight: 0.2 kg
- Working temperature: 0 °C to 45 °C
- Storage Temperature: -20 °C to 85 °C
- Working humidity: 8% to 90%, No condensation
- Storage Humidity: 8% to 90%, No condensation