



OpenVox MAG1000 Series Analog Gateway

Overview

OpenVox MAG 1000 is a multifunctional analog gateway for seamless connection between IPPBX, fax machines, analog phones and operators. It provides three interfaces of RJ11/RJ45/RJ21, covering almost all the wiring needs of users in all scenarios. In addition, it has excellent full concurrent voice/ fax processing capabilities, strong performance and high stability, and provides high-quality call services for operators, enterprises, call centers and residential users in residential communities.

The MAG1000 Analog Gateways are developed for interconnecting a wide selection of codecs including G.711A, G.711U, G.729A, G.722, G.726, iLBC. MAG1000 series use standard SIP protocol and compatible with Leading VoIP platform, IPPBX and SIP servers, such as Asterisk, Issabel, 3CX, FreeSWITCH, BroadSoft and VOS VoIP operating platform.

Performance and Features

- 16/ 24/ 32 FXO/FXS ports
- Stable function, flexible dialplan and friendly Web GUI
- Strong security and high stability
- Designed for almost all kinds of users
- Fully Compatible with Leading SIP based VoIP Telephony System
- Support voice, fax and POS terminal access

Network

- Network type: Static IP, Dynamic
- Support DDNS, DNS, DHCP, DTMF relay, NAT
- Telnet, HTTP, HTTPS, SSH, TFTP, FTP
- VPN clients: PPTP/OpenVPN/Zerotier/L2TP/N2N (Not available for Russia)
- Description Protocol (RFC 2327)
- Support IPv4 and IPv6
- SNMP/TR069

System Features

- NTP time synchronization and client time synchronization
- Support modify username and password for web login
- Update firmware online, backup/restore configuration file
- Abundant Log Info, Automatically Reboot, Call status display
- Language selection (Chinese/English)
- Open API interface, support the secondary development of applications
- Support SSH remote operation and restore the factory settings
- Support center management system
- Auto Provisioning, Backup/Restore
- Syslog: Debug, error, alert and CDR

Telephony Features

- Support Volume adjustment, Gain adjustment, call transfer, call hold, call waiting, call forward, Caller ID display
- Three way calling, Call transfer, Dial-up matching table
- Support T.38 fax relay and T.30 fax transparent, FSK and DTMF signaling
- Support T.38/Pass-through, up to 14.4Kbps
- Support Ring cadence and frequency setting, WMI (Message Waiting Indicator)
- Support Echo cancellation(G.168), Adaptive (Dynamic) Jitter buffer
- Support customizable DISA and other applications
- Comfort Noise Generation (CNG), Voice Activity Detection (VAD)
- Hook Flash
- DTMF/FSK (caller ID)
- IMS/3GPP/UDP/TCP
- SDP (RFC 2327) - Session
- ETC (3GPP TS 24.629, RFC 3515, RFC 3891, RFC 3892)
- RTP/RTCP (RFC 1889, 1890), STUN (RFC 3489)
- Outbound Proxy, QoS, Traffic shaping
- Offer/Answer (RFC3265)
- Voice/ Management VIAN, VLAN 802.1P/802.1Q
- Sync timer

SIP Features

- Support add, modify & delete SIP Accounts, batch add, modify & delete SIP Accounts
- Support multiple SIP registrations: Anonymous, Endpoint registers with this gateway, This gateway registers with the endpoint
- SIP accounts can be registered to multiple servers
- SIP V2.0 (RFC 3261, 3262, 3264)
- SIP Session Timer (RFC 4028)
- Support Primary and Backup SIP Server
- Codec G.711A/U law, G.729A/B, G726-32, G.722, iLBC
- DTMF mode: Signal/ RFC2833/ Inband

Specifications

OpenVox MAG1000 Series Analog Gateway			
Product Name	MAG1000-16	MAG1000-24	MAG1000-32
Interfaces			
Ports	16 FXO/FXS ports	24 FXO/FXS ports	32 FXO/FXS ports
Port type	RJ11/RJ45 (Standard) RJ21 (Optional)		
USB	RJ45		
Ethernet port	2 * 10/100Mbps ports		
General Info			
Dimension (bare)	440mm*45mm*220mm		
Dimension(with packaging)	510mm*90mm*310mm		
Weight(with packaging)	2.86kg	2.98kg	3.1kg
Max Power Consumption	20W	28W	36W
Power Supply	90-264VAC		
Operation Temperature	0°C ~ 45°C		
Operation Humidity Range	10% ~ 90% NON-CONDENSING		
Storage Temperature Range	-20°C ~ 70°C		
Short/Long Haul Ring Load	2 REN, up to 3km on 24AWG line		
Certification	CE		

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