



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.



Key features

- 16/24/32 FXS ports
- Support SNMP and TR069
- Support IPv4 and IPv6
- 3km Line Length(MAX)
- Multiple codecs: G.711A/U,G.723.1,G.729A/B and iLBC
- Support easy management
- Fully Compatible with leading SIP based VoIP Telephony System

Physical Interfaces

Capacity

- 16/24/32 FXS with RJ11 & RJ21
- 16/24/32 FXO with RJ11 & RJ21

Ethernet Interfaces:

- 1 * WAN, 10/100Mbps, RJ-45
- 1 * LAN, 10/100Mbps, RJ-45

Voice & FAX

- G.711A, G.711U, G.729A, G.722, G.726, iLBC
- Comfort Noise Generation(CNG)
- Modem/POS
- Adaptive (Dynamic) Jitter Buffer
- Programmable Gain Control
- DTMF mode: Signal/RFC2833/INBAND
- T.38/Pass-through
- Echo Cancellation(G.168), with up to 128ms

Call Features

- Call Waiting
- Blind Transfer
- Attend Transfer
- Call Forward on Busy
- Call Forward on No Reply
- Unconditional Call Forward
- Warm/Immediately Hotline
- Message Waiting Indicator
- SIP registration to different servers
- Call Hold
- Do-not-disturb
- 3-Way Conference
- Speed Dial

FXS

- Connector: RJ11
- Dial Mode: DTMF and Pulse
- Pulse: 10 and 20 PPS
- Caller ID: DTMF/FSK CLI Presentation
- Max Cable Length: 3 km
- Reversed Polarity Programmable Call Progress Tone

FXO

- Connector: RJ11
- Dial Mode: DTMF/Pulse Dialing
- Caller ID: FSK, DTMF
- Polarity Reversal
- Answer Delay
- Busy Tone Detection
- No Current Detection

Software Features

- Hunting Group
- Web ACL
- Telnet ACL
- Action URL
- PPPoE
- OpenVPN
- Digitmap
- Routing Rules based Prefixes
- Caller/Called Number Manipulation

VoIP

Protocol:

- SIP v2.0 (UDP/TCP), RFC3261
- SDP,RTP(RFC2833), RFC3262, RFC3263, RFC3264, RFC3265, RFC3515, RFC2976, RFC3311
- RTP/RTCP, RFC2198, RFC1889
- IPv4 and IPv6
- Outbound Proxy
- RFC2806 TEL URI
- RFC3581 NAT,rport
- VLAN 802.1P/802.1Q
- RFC4028 Session Timer
- DNS SRV/A Query/NATPR Query
- NAT:STUN, Static/Dynamic NAT

Maintenance

- SNMP v1/v2/v3
- Auto Provisioning
- Web Configuration
- Backup/Restore
- Firmware Upgrade via Web
- CDR
- TR069
- IPoE
- Syslog(Emerg,alert, critical,error warning,notice,info, debug)
- Ping/Tracert Test
- Network Capture
- NTP/Daylight Saving Time
- IVR local Maintenance
- Cloud-based Management

OpenVox MAG1000 Series Analog Gateway

Product Name	MAG1000-16	MAG1000-24	MAG1000-32
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Interfaces

FXS/FXO Ports	16/24/32
Port type	RJ11/RJ45/RJ21
USB	RJ45
Ethernet port	2 * 10/100Mbps ports

General Info

Weight(with packaging)	2.86kg	2.98kg	3.1kg
Dimension (bare)	440mm*45mm*220mm		
Dimension(with packaging)	510mm*90mm*310mm		
Maximum power	20W	28W	36W
Universal Power Supply	90-264V AC		
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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