



MAG1100 Series Analog Gateway

Overview

OpenVox MAG1100 is a multifunctional analog gateway for seamless connection between IPPBX, fax machines, analog phones and operators. MAG1100 analog gateway supports 48/72/96 FXS interfaces with modular design, allowing for flexible addition or removal of module boards as needed. It provides RJ21 interface modules, 2 100Mbps Ethernet ports, 1 SFP port, and 1 Console port. Additionally, it offers excellent capacity for concurrent voice/fax processing, delivering strong performance and high stability, thus providing high-quality communication services for service providers, enterprises, call centers, and residential users in communities.

The MAG1100 Analog Gateways are developed for interconnecting a wide selection of codecs including G.711A, G.711U, G.729A, G.722, G.726, iLBC. MAG1100 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

- 48/72/96 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

- 48/72/96 FXS with RJ21
- 1 * console RS232(RJ45)
- RJ45/RJ21

Ethernet Interfaces:

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

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

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

Software Features

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

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

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Product Name MAG1100

Interfaces

FXS/FXO Ports	48/72/96
Console	1 * RS232(RJ45)
Port Type	RJ45/RJ21
Ethernet port	2 * 10/100Mbps ports
Network Interface	1 * SFP

General Info

Weight(with packaging)	4.5kg
Dimension(with packaging)	440mm*44.5mm*335mm
Maximum power	120W
Universal Power Supply	100-240V 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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