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/U,G.723.1,G.729A,G.722,iLBC,OPUS,AMR and AMR-WB . MAG1000 series use standard SIP protocol and compatible with Leading VoIP platform,IPPBX and SIP servers,such as Asterisk,Issabel,3CX,FreeSWITCH,Broad Soft and VOS VoIP operating platform.

Key features

- 16/24/32 FXS/FXO ports

- Support SNMP and TR069

- Support IPv4 and IPv6

- 3km Line Length

- G.711A/U,G.723.1,G.729A,G.722,iLBC,OPUS,AMR and AMR-WB

- Support API

- Fully Compatible with leading SIP based VoIP Telephony System

- VEX (Advanced Peer To Peer Call)

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/U,G.723.1,G.729A,G.722,iLBC, OPUS,AMR and AMR-WB
- 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 & RJ21
- 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 & RJ21
- Dial Mode: DTMF/Pulse Dialing
- Caller ID: FSK, DTMF
- Polarity Reversal
- Answer Delay
- Busy Tone Detection

Software Features

- Hunting Group
- Web ACL
- Telnet ACL
- Action URL
- PPPoE
- OpenVPN
- Digitmap
- Routing Rules based Prefixes
- Caller/Called Number Manipulation
- VEX (Advanced Peer To Peer Call)

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

Maintance

- 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
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*44.45mm*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 24 AWG line	
Certification		CE	

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