

Next Generation AG3100-R Series Gateways

Integrated Broadband VoIP Gateway



Product Overview

AG3100-R Series VOIP analog gateway are IP-based access gateway. Provide a low cost, simple operation VOIP solutions for small business, the family office, remote office and branch businesses. AG FXO series can connect with the traditional telephone, fax and traditional analog PBX through standard voice interface, and provide high quality voice service. AG3100-R series VoIP access gateway adopt standard SIP protocol and compatibility with most of the IPPBX and network platform based on SIP.

Key Features

- Primary and secondary SIP account
- Flexible setup FXO port group
- IP trunk
- Flexible routing and manipulation
- Data/Voice/Management VLAN
- Voice and FAX all in one
- SNMP
- Firmware update automatically
- /configure update

Technical Specification

General Information

Product Type	SIP VOIP access gateway
Product Model	AG 3100-4/8/16FXO
Market Target	Apply to operators and call center. Both low-cost VoIP service while preserving the traditional PSTN network
Performance	Stable high-definition voice quality

LEDs Indicator

PWR	Indicating the status of system power
RUN	Indicating the running status of device
WAN	Indicating WAN port activity
LAN	Indicating PC&LAN port activity
FXS	Indicating the status of the respective FXS ports on the back
LINK	Indicating the status of the network connection
SPEED	Indicating network bandwidth, 10Mbps/100Mbps

Ethernet Interface

Number of interface	4* 10/100 BASE-TX (RJ-45)
Auto adapted	Supported
Automatic flip	Supported

FXS/FXO Interface

Number of Interfaces	4/8/16*FXO
Transmission distance	1km
Charging mode	Anti-polar signal
One Stage Dialing	Supported
Detect CID	Supported
FXO keep on hook until callee answered	Supported
Onhook conditions config	Supported
Answer conditions config	Supported
Dc/Ac impedance config	Supported

Signals & Protocols

SIP Signaling

Protocols compliant	SIP V1.0/2.0 and RFC3261
Authentication	Supported
SIP encryption	Supported

Voice & FAX

G.723.1	Supported
G.729	Supported
PCMA/U	Supported
DTMF mode	RFC2833, SIP INFO and INBAND
FAX over IP	T.38/ Pass-Through/Modem, baud rate:14.4kbps

Trunk Features

Call forwarding	Supported
Call hold	Supported
DND	Supported
Direct IP address call	Supported
Caller ID	Time-Based service
PPPoE	Supported
Busy Tone	Supported
PSTN & VoIP routing	Users can set up routing to go PSTN or IP
Feature Code	Support 26 function keys

Network Features

Network protocol	TCP/UDP, HTTP, ARP/RARP, DNS, NTP, TFTP, TELNET and STUN
Static IP	Supported
DNS	Supported
NAT	STUN
Static and dynamic ARP	Supported
VLAN	Data, Voice, Management
Qos	Tos / DSCP to ensure voice quality, data, management information transmission
DHCP Server	Supported
DHCP Client	Supported
Routing & number manipulation	Maximum 32

Security & Reliability

Admin management	Administrator authentication by username and password
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Maintenance & Upgrade

Web configuration	Supported
Telnet configuration	Supported
Support languages	English
Firmware upgrade	TFTP and Web
Syslog type	ERROR,NONE,DEBUG,NOTICE,WARNING
CDR	Output CDR by Syslog
Follow-up testing	Ping and tracer on web

Compatibility

Tested platforms	Work well with soft switch providers such as Huawei soft X3000, ZTE ZXSS10, Cisco, Alcatel, Lucent, S12.
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Mechanical

Dimension (W*D*H) (mm)	4/8FXO : 242*152*40mm , 16FXO : 442*282*44mm
Net weight	4/8FXO : 1kg , 16FXO : 3.0kg

Powering

Power input	100-240VAC,1.2A, 50-60MHz
Output	4FXO output: 12VDC,1A 8FXO output:12VDC,2A 16FXO output:110-240VAC,

	0.5A
Grounding	GND < 1 ohm
Max power consumption	4FXO : 12W ,8FXO : 20W,16FXO : 48W
Environment-EMC	
Operational	32 ~ 104F /0.- 40°C
Storage	-4 ~ 176F /-20.- 80°C
Humidity	10%~ 90%,no condensation
Fixed use of the environment	EN 300019: Class 3.1
Storage environment	EN 300019: Class 1.2
Transport Environment	EN 300019: Class 2.3
Noise	EN 300753: Work in data center
EMC	FCC Part 15 Class B; CE EMC directive 2004/108/EC: EN55022 2006t-A1 2007, EN 61000-3-2 2006 EN 61000-3-3 1995+A1 2001+A2 2005, EN55024: 1998+A1 2001+A2 2003
Safety	CE LVD EN60950-1 2006
Certifications	FCC and CE
Ordering Information	
AG3100-4O	4 Port FXO
AG3100-8O	8 Port FXO
AG3100-16O	16 Port FXO

For More details:

visit : www.techroutes.com

Or contact

sales@techroutes.com

info@techroutes.com