Techroutes
N E T W O R K

Next Generation
AG3100-S Series Gateways

Integrated Broadband VoIP Gateway

Product Overview

AG3100-S series analog gateway is versatile IP-based voice and fax gateway. For small business, the family office, remote office and branch business provide low cost, simple operation VOIP solutions. Connected analog phone, fax, PBX With standard voice interface and provide quality voice service. AG3100-S series VoIP access gateway use standard SIP protocol and compatible mainstream IPPBX and soft switch platform.

Key Features

Primary and secondary SIP account
Flexible set port group
IP trunk
Flexible routing and manipulation
Data/Voice/Management VLAN
Voice /FAX/Modem
SNMP
Firmware update automatically /configure update

Technical Specification

General Information

Product Type	SIP VOIP access gateway
Product Model	AG 3100 FXS
Market Target	Apply to operators and call center, SoHo users. 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, l0Mbps/100Mbps

Ethernet Interface

Number of interface	2* 10/100 BASE-TX (RJ-45)
Auto adapted	Supported
Automatic flip	Supported

FXS/FXO Interface

Number of Interfaces	FXS Ports depends on model chosen
Transmission distance	1km
Charging mode	Anti-polar signal

Signals & Protocols

Your Route to The Destination

Signaling

Protocols compliant	SIP V1.0/2.0 , 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
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 (viz. Call Transfer, Call Forward, Hotline, DND, Park & Pick Up, Ring Group, IP Address Information / Insertion etc.)

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

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, Reliance IMS.

Powering

Power input	12VDC,2A
Grounding	GND < 1 ohm
Max power consumption	20W

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

AG3100-2S	02 Port FXS
AG3100-4S	04 Port FXS
AG3100-8S	08 Port FXS
AG3100-16S	16 Port FXS
AG3100-24S	24 Port FXS
AG3100-32S	32 Port FXS
AG3100-48S	48 Port FXS
AG3100-64S	64 Port FXS
AG3100-96S	96 Port FXS
AG3100-112S	112 Port FXS

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