SAG1602 Gateway

SAG1602 is a perfect product for the telecom carriers to provide the residential telephony ,radio over IP and fax services through the IP networks such as MPLS and ADSL. It can be connected to the traditional Radio system, PBXs to provide the voice solutions for Large enterprises, Government, and SME. It can also serve as a hotline service for remote terminal (peer-peer).

HIGHT LIGHT

- *4S+4O/8S+8O*
- *Open Architecture*
- *Cost-effective*
- *SIP Standard*
- *Power failure transfer*
- *Flexible Routing plan*

Main Feature

Easy to operate and maintain
SAG1602 supports both web-based and text-based configuration set up. Users can remotely upgrade the software, Capture Voice streaming/SIP message, change the configuration parameters, download log files.

High Interoperability
SAG1602 has passed the interoperability tests with many softswitch and gateway suppliers worldwide, such as Huawei,ZTE, Cisco, Alcatel, Lucent, Panasonic, NEC, Harris, Nortel, and open source hosted IPPBX asterisk.

FAX over IP (T.38/Pass-through)
SAG1602 support FAXT.38 as default. FAX T.38 is the preferred method for FAX over TCP/IP because it is more reliable and works well in most network conditions. Anyway, If the service provider does not support T.38, FAX pass-through mode may be applied.

Investment Protection
One main challenge of purchasing new IP-based voice equipment's is how to protect your investment. SAG1602 not only offers the best cost effectiveness but also supports the latest VoIP technologies and of the standards. Users can take advantage newest VoIP technologies by upgrading SAG1602 software.

SAG1602 Gateway

Specification

TECHNICAL SPECIFICATIONS	

Physical Interfaces

•4FXS+4FXO and 8FXS+8FXO

VoIP Specifications

•G.711A/U law, G.723.1, G.729A/B

•Comfort Noise Generation (CNG)

•Voice Activity Detection (VAD)

•Echo Cancellation(G.168)

•Adaptive (Dynamic) Jitter Buffer

•Hook flash test

•Programmable Gain Control (TX/RX gain adjust)

•T.38/Pass-through/Modem FAX mode, Up to 14.4kbps

•DTMF mode: Signal/RFC2833/INBAND

•Polarity reversal mode: Detection/Send

•Power failure transfer

SIP Protocol

• SIP V2.0 RFC(3261,3262,3264) ,SIP REFER (RFC 3515)

• RTP/RTCP (RFC 1889,1890)

• STUN (RFC 3489)

• ARP/RARP (RFC 826/903)

• SNTP (RFC 2030)

• DHCP/PPPoE

• TFTP/HTTP/HTTPS

• DNS/DNS SRV (RFC 1706/RFC 2782)

Network

•NAT

•Static IP, PPPoE

•DHCP Client

•IP,TCP, UDP,TFTP, FTP, TCP,ARP, Ping, NTP, SNTP, Http, DNS, Tran cert

•Static/dynamic ARP

Call Features

•Call waiting

•Call transfer (Blind transfer, Attend Transfer ,Half blind transfer)

•Quick pick

•Call forwarding

•Hotline

•Call hold

•DND

•3-way conference

•Voice mail

•Direct IP address call

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Specification

TECHNICAL SPECIFICATIONS	

Call Routing

- Port group
- IP trunk
- Primary and secondary SIP account
- 32inbound/outbound routing
- Number manipulation
- Dial plan set

Management

- Web based configuration
- Telnet configuration
- Data backup/restore
- Support English and Chinese language
- Firmware upgrade by TFTP
- Sys log and CDR
- Web & telnet login password modify
- Factory reset
- Automatic time synchronization
- OoS
- LED Indicator status display
- IVR local maintenance management

Compatibility

- Fully compatible with mainstream venders, such as HUAWEI softX3000, elastix, trixbox, voipswitch, asterisk etc.
- Compatible with other standard Soft Switch and SIP server

Environment

- Power: input:100-240V,50-60Hz : 4S/4O :12VDC , 8S/8O : 110-220VAC
- Power consumption (w): 4S/4O:20w, 8S/8O:48w
- Temperature(operator): 0 ℃~ 45 ℃(storage): -20 ℃ ~80 ℃
- Humidity: 10%-90% no condensation

Dimension

- 4S/4O: 152(L)*242(W)*44(H)mm ,1.0 kg
- 8S/8O: 280(L)*442(W)*44(H)mm ,3.0 kg

For more information

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