SGX200 Gateway

SGX200 is enterprise-grade trunk gateway product for IP trunk ,Radio over IP and fax services through the IP networks such as LL,MPLS. It can be connected to the traditional radio system or PBXs via E1 interface to provide the voice solutions for Large enterprises, Government, and SME. It supports G.711/G.723/ G.729 codec calls and T.38/Pass-through Fax.

HIGHT LIGHT

- *1 to 4 E1 ports*

- *Open Architecture*

- *Cost-effective*

- *SIP Standard*

- *E1/T1 PRI/ISDN*

- *FAX T.38/Pass-Through*

Main Feature

Easy to operate and maintain

SGX200 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

SGX200 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)

SGX200 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. SGX200 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 SGX200 software.

TECHNICAL SPECIFICATIONS	

System Capacity

- 1/2/4 E1 ports

VoIP Specifications

- G.711A/U law (G.723.1, G.729A/B, iLBC - Optional)
- Silence Suppression & Detection
- Comfort Noise Generation (CNG)
- Voice Activity Detection (VAD)
- Echo Cancellation(G.168)
- Adaptive (Dynamic) Jitter Buffer
- T.38/Pass-through
- Call Progress Tone Generation
- Programmable Gain Control

SIP Protocol

- SIP V2.0 RFC(3261,3262,3263,3264,3265, 3515,2976,3311)
- SDP –RFC 2327
- RTP/RTCP (RFC 2198,1889)

Features

- DTMF：RFC2833, SIP INFO, INBAND
- Modes of E1 : DF, CRC-4, CRC4_ITU

Note : this model not support VoIP routing table

Operating System

- Linux

Physical Interface

- ISDN Interface: 1/2/4 *E1/T1, G.703, 120Ω RJ-48
- Ethernet Interface: RJ45 FE0(WAN):service eth inter face), FE1(LAN):management eth interface) 10/100M Base-T

Network

- IP,TCP, UDP,TFTP, FTP, TCP,ARP,RARP, Ping, NTP, SNTP,HTTP,DNS,PPPOE

TDM Signal

- PRI /PRA
  ISDN E1/T1 ITU-T I.431, Q.921, Q.931, ETSI Q.sig

Maintenance

- Web based configuration
- Data backup/restore
- Firmware upgrade by TFTP/web
- Web & Telnet login password modify
- Factory reset

Physical Hardware

- Power: input:100-240V,50-60Hz output:12VDC,1.0A
- Temperature (operation): 0 ~ 45 C / (storage): -20 ~80 C

For more information

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