

SGX4000 Gateway

SGX4000 is carrier-grade NGN trunk gateway product for the carrier to provide the residential telephony, radio over IP and fax services through the IP networks such as MPLS, HFC, 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

- ◆ *4 x E1 ports*
- ◆ *Open Architecture*
- ◆ *Cost-effective*
- ◆ *SIP Standard*
- ◆ *NGN support*
- ◆ *Flexible Routing plan*



Main Feature

Easy to operate and maintain

SGX4000 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

SGX4000 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)

SGX4000 support FAX T.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. SGX4000 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 SGX4000 software.

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Specification

TECHNICAL SPECIFICATIONS	
<p>System Capacity</p> <ul style="list-style-type: none"> • 4 E1 ports 	<p>Physical Interface</p> <ul style="list-style-type: none"> • ISDN Interface: 4xE1/T1, G.703, 120Ω RJ-48 • Ethernet Interface: RJ45 FE0(WAN):service eth inter face), FE1(LAN):management eth interface) 10/100M Base-T • Management Interface: 1 Console port ,9600bps
<p>VoIP Specifications</p> <ul style="list-style-type: none"> • G.711A/U law, G.723.1, G.729A/B • Silence Suppression & Detection • Comfort Noise Generation(CNG) • Voice Activity Detection(VAD) • Echo Cancellation(G.168) • Adaptive (Dynamic) Jitter Buffer • T.38/Pass-through/Modem FAX mode • Call Progress Tone Generation • Programmable Gain Control 	<p>Network</p> <ul style="list-style-type: none"> • IP,TCP, UDP,TFTP, FTP, TCP,ARP,RARP, Ping, NTP, SNTP, SNMP, Http, DNS, Trancert • QoS control: ToS, DS
<p>SIP Protocol</p> <ul style="list-style-type: none"> • SIP V2.0 RFC(3261,3262,3263,3264,3265, 3515,2976,3311) • SDP –RFC 2327 • RTP/RTCP (RFC 2198,1889) • SIP-T (RFC3372,3204,3398) • SIP Domain register • IP Group Management • Trunk priority management • Peer/Access work mode • IP address/Domain authentication • SIP User/Password register to remote 	<p>TDM Signal</p> <ul style="list-style-type: none"> • SS7/No.7 (optional) ITU, ANSI, ETSI, ITU-China, TP layer 1/2/3, ISUP/TUP SS7 circuit maintenance SS7 MTP link management • PRI /PRA ISDN E1/T1 ITU-T I.431, Q.921, Q.931, ETSI Q.sig
	<p>Features</p> <ul style="list-style-type: none"> • DTMF: RFC2833, SIP INFO, INBAND • Back tone/busy tone control • Digit Map • Dial rule configuration, max 2000 rules • Overlap receiving • Dial time control • Time slot group management • E1/T1 port group management

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TECHNICAL SPECIFICATIONS	
<p>Feature (Continues)</p> <ul style="list-style-type: none"> • Many routing way PSTN-PSTN, PSTN-IP, IP-IP, IP-PSTN • Intelligent routing • Routing time control • 99 routing • Caller/callee manipulation • 128 number manipulation 	<p>Compatibility</p> <ul style="list-style-type: none"> •Fully compatible with mainstream vendors, such as HUAWEI softX3000, elastix, trixbox, voipswitch, asterisk etc. •Compatible with other standard NGN Soft Switch and SIP server
<p>Management</p> <ul style="list-style-type: none"> • Web based configuration • HTTP/Telnet configuration • Data backup/restore • Firmware upgrade by TFTP • Web & telnet login password modify • SNMP management • Syslog: Debug, Info, Error, Warning , Notice • NTP Configuration 	<p>Environment</p> <ul style="list-style-type: none"> •Power: input: 100-240V,50-60Hz : •Power consumption (w): 25w •Temperature(operator): 0 °C~ 45 °C(storage): -20 °C ~80 °C •Humidity: 10%-90% no condensation
	<p>Dimension</p> <ul style="list-style-type: none"> •436 x 300 x 45 mm, 1U high, 19-inch wide rack mount •Weight: 2.2 kg

For more information

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