



NXS1000-1S2S FXS Analog VoIP Gateway

Overview

NXS1000-1S/2S is a multi-functional analog telephone adapter which offers seamless connectivity between IP-based telephony networks and legacy telephones (POTS), fax machines and PBX systems. The device provides 1 or 2 FXS port(s), fax over IP and a built-in high-speed NAT router. These powerful features and good voice quality make the device ideal for various application environments such as SOHO and small enterprises and for personal use. Moreover, with automatic provisioning and centralized management system, the device is easy for maintenance and deployment.

Pictures



NXS1000 - 1S



NXS1000 - 2S

Key Features

- Cost-effective ATA with 1 or 2 FXS port(s)
- Fax over IP (T.38 and Pass-Through)
- Support IPv4 and IPv6
- TR069 and SNMP
- Multiple codecs: G.711A/U, G.723.1, G.729A/B, G.726
- Fully compatible with leading IMS/NGN, SIP-based IP telephony system

Physical Interfaces

Capacity

NXS1000-1S: 1* FXS, RJ11

NXS1000-2S: 2* FXS, RJ11

Ethernet Interfaces:

1* WAN, 10/100Mbps, RJ-45

1* LAN, 10/100Mbps, RJ-45

Console: N/A

Voice & FAX

G.711A/U law, G.723.1, G.729A/B, G.726

Silence Suppression

Comfort Noise Generation(CNG)

Voice Activity Detection(VAD)

Echo Cancellation(G.168), with up to 128ms

Adaptive (Dynamic) Jitter Buffer

Hook Flash

Programmable Gain Control

T.38/Pass-through

High speed fax up to 14.4kbps

Modem/POS

DTMF modes: SIP Info/RFC2833/Inband

VLAN 802.1P/802.1Q

(voice/data/management VLANs)

Layer3 QoS and DiffServ

Supplement Service

Call Waiting

Blind Transfer

Attend Transfer

Call Forward on Busy

Call Forward on No Reply

Unconditional Call Forward

Warm/Immediately Hotline

Call Hold

Do-not-disturb

3-Way Conference

Message Waiting Indicator

FXS

Connector: RJ11

Dial Mode: DTMF and Pulse

Pulse: 10 and 20 PPS

Caller ID: DTMF/FSK CLI Presentation

Max Cable Length: 3Km

Reversed Polarity

Programmable Call Progress Tone

Software Features

Hunting Group

Web ACL

Telnet ACL

Action URL

PPPoE/IPv4/IPv6

Digitmap

Bandwidth Optimization

Routing Rules based Prefixes

Caller/Called Number Manipulation

Maintenance

SNMP v1/v2/v3

TR069

Auto Provisioning

Web/Telnet

Configuration Backup/Restore

Firmware Upgrade via Web

CDR

Syslog(Emerg,alert, critical,error warning,notice,info, debug)

Ping/Tracert Test

Network Capture

Outward Test(GR909)

NTP/Daylight Saving Time

IVR local Maintenance

Cloud-based Management

VoIP

Protocol:

SIP v2.0 (UDP/TCP),RFC3261

SDP,RTP(RFC2833), RFC3262,

3263,3264,3265,2976,3311

ETC (3GPP TS 24.629, RFC 3515,

RFC 3891, RFC 3892)

RTP/RTCP, RFC2198, 1889

SIP over TLS

RFC4028 Session Timer

RFC3266 IPv6 in SDP

RFC2806 TEL URI

RFC3581 NAT,rport

Primary/Backup SIP Server

Outbound Proxy

DNS SRV/ A Query/NATPR Query

SIP Trunk

Early Media/Early Answer

NAT:STUN, Static/Dynamic NAT

Environmental

Power Supply:

100-240VAC, 50-60 Hz@DC12V 1A

Power Consumption: <5W

Operating Temperature:0 °C ~ 45 °C

Storage Temperature: -20 °C ~80 °C

Humidity:10%-90% Non-Condensing

Dimensions(W/D/H): 126*76*25mm

Unit Weight: <=0.2kg

About Sterlite Technologies Ltd. (STL)

STL is a leading global optical and digital solutions company providing advanced offerings to build 5G, Rural, FTTx, Enterprise, and Data Centre networks. The company, driven by its purpose of 'Transforming Billions of Lives by Connecting the World', designs and manufactures in 4 continents with customers in more than 100 countries. Telecom operators, cloud companies, citizen networks, and large enterprises recognize and rely on STL for advanced capabilities in Optical Connectivity, Global Services, and Digital and Technology solutions to build ubiquitous and future-ready digital networks. STL's business goals are driven by customer-centricity, R&D, and sustainability. Championing sustainable manufacturing, the company has committed to achieving Net Zero emissions by 2030.

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