neox

Making every conversation count

NXS1000-8S FXS Analog VoIP Gateway

NEOX NXS1000-8S is a multi-functional analog gateway offering seamless connectivity between IP-based telephony networks and legacy telephones (POTS), fax machines and PBX systems. The device offers 8 FXS ports, fax over IP and flexible dial plans. It is ideally suited for small and medium businesses, call centers and multi-location environments that need VoIP services.

NEOX NXS1000-8S supports the standard SIP protocol and it's compatible with leading IMS/NGN platforms and SIP-based IP telephony systems.

Pictures

NXS1000-8S

Key Highlights

- Cost Effective Gateway with 8 FXS Ports
- 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, AMR, G.726 etc.
- Fully Compatible with leading IMS/NGN, SIP based IP Telephony system.

Physical Interfaces

• Capacity:

8 FXS, RJ11

• Ethernet Interfaces

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

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

• Console

N/A

FXS

Connector: RJ11

Dial Mode: DTMF and Pulse

Pulse: 10 and 20 PPS

Caller ID: FSK/DTMF CLI Presentation

Max Cable Length: 3km

Reversed Polarity

Programmable Call Progress Tone

Voice & FAX

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

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 upto 14.4 kbps

Modem/POS

DTMF mode: Signal/RFC2833/INBAND

VLAN 802.1P/802.1Q

(voice/data/management VLANs)

Layer3 QoS and DiffServ

VoIP

• Protocol:

SIP v2.0 (UDP/TCP), RFC3261

SDP, RTP(RFC2833), RFC3262, 3263,3264,3265,3515,2976,3311

ETC (3GPP TS24.629), 3891, 3892

SIP TLS/SRTP

RTP/RTCP, RFC2198, 1889

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

Maintenance

SNMP v1/v2/v3

TR069, TR181

Auto Provisioning

Web/Telnet

Configuration Backup/Restore Firmware Upgrade via Web

CDR

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

Network Capture

Outward Test (GR909)

NTP/Daylight Saving Time

IVR local Maintenance

Cloud-based Management

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

Speed Dial

Software Features

Hunting Group

Web ACL

Telnet ACL

Action URL

PPPoE/IPv4/IPv6

OpenVPN

Digitmap

Routing Rules based Prefixes

Caller/Called Number Manipulation

Environmental

Power Supply:

100-240VAC, 50-60 Hz@DC12V 2A

• Power Consumption: 18W (Typical)

Operating Temperature:0 ℃ ~ 45 ℃
Storage Temperature: -20 ℃ ~80 ℃
Humidity:10%-90% Non-Condensing
Dimensions(W/D/H):242*152*40mm

Unit Weight: 1kg

Compliance: CE, FCC