

Unified Communication with Next-Gen IOT Capabilities



The Gateway to converge IP Multimedia Communications

Enabling a gamut of advanced features based on next-generation SIP, G.711 u-law, a-law, G.729, H.264 and H.263 Protocols, it offers technology versatility, cost-efficiency and extreme flexibility blended with desired scalability. Clad with a variety of rich and flexible features, the solution supports a range of IP Phones, Analog Gateways as well as ATA Devices. Moreover, Neox IP-PBX also easily integrates with your current network environment. Neox IP-PBX is developed on pure IP Technology supporting completely IP based communication system.

Neox IPPBX is a cost-effective hybrid VoIP solution that enables enterprises to offer cutting- edge, secure and reliable IP-PBX features & call processing functionality over packet and circuit-based networks. Its powerful yet user-friendly interface facilitates secure user authentication and authorization, thus allowing customers to self-provision services as per individual requirement. Enterprise system administrators can also monitor calls and track usage by extensions in real-time.

Product Highlights



Location independent IP-Phone connectivity

Neox IP-PBX solution provides secure, reliable PBX functionality including an extension dialing program, call transfer, three-way calling, call forwarding and voice mail. The extensions can be set up in virtually any locations i.e. Remote employees can use the company's IP-PBX network and their own extensions wherever they roam globally.



Intuitive Controls for Enterprise Managers and Individuals

Enterprise employees can use global follow-me to schedule call forwarding to other advanced SIP extensions, to mobile phones, or to voice mail to ensure access to inbound calls at all times. Voice Mail messages can be retrieved through a web interface or sent to the individual's email address. An auto-attendant feature ensures that all inbound calls are answered and routed properly.



Unified Messaging Solution

The solution provides integrated Voicemail, Fax, Email Notification and Instant Messaging and presence over SIP SIMPLE features. Voicemails and Faxes can be merged with email by getting them delivered to your inbox.



Call Recording

Record all or specific calls. Administrators can configure and playback the recorded files through GUI. It ensures high level of customer satisfaction and improved employee productivity while also meeting legal requirements.



Web-Management Console for system monitoring & subscriber provisioning

Neox IP-PBX facilitates effortless configuration and maintenance through its user-friendly web-based interface facilitating a secure user authentication and authorization in addition to CLI based secure shell for backend management and troubleshooting.



Conference Bridge

A built-in conference bridge component allows users to effortlessly host multiple callers on a dial-in bridge at no extra cost.



Automatic Call Distribution (ACD)

The solution has the intelligence to enable distribution of incoming calls to specific group of subscribers. It also enable enterprise to advertise their offerings to customers, using pre-defined IVR.



Cost-saving LCR functionality

With Least Cost Routing always use the call route with the lowest cost rating.



Scalability

Scalable to 30000* users, in a single box; grow at your own pace with a customized solution to your specific needs.



Interactive Voice Response (IVR) Server

This IVR system can respond with a pre-recorded audio to enable automatic call answering without Human Intervention.



Security

Adequate security readiness with RADIUS authentication, Account and Password management with multiple privilege levels, Encrypted access and secure interface (SSL, SSH, HTTPS) and SIP trunk authentication.



Reliable Linux Operating System

Neox IP-PBX solution runs on a reliable Linux operating system, which increases security, provides ease of administration to Linux-savvy administrators and reduces the solution cost.



Networking

The system supports private networking over SIP or PRI trunks, QSIG Networking and SIP Trunking to low-cost PSTN

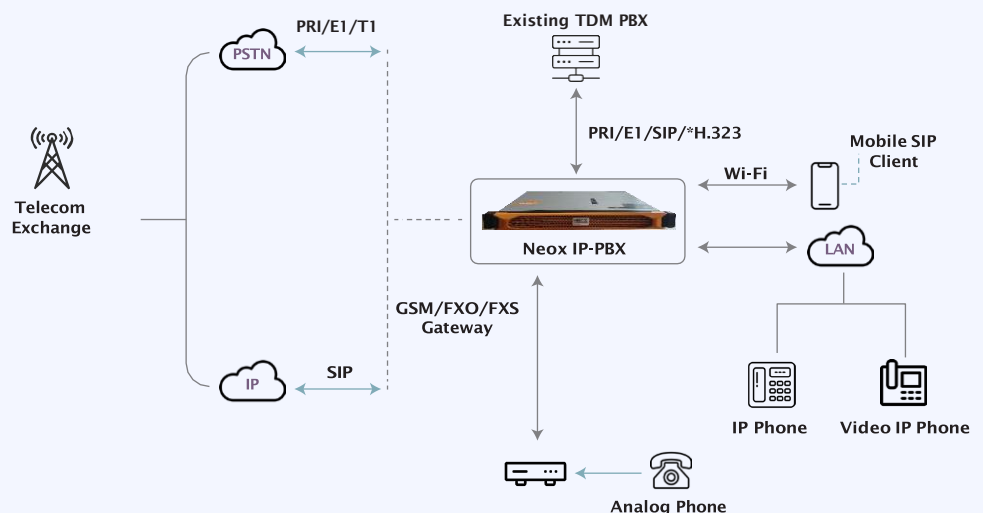


Subscriber Portal

It allows users to configure and customize features as per their requirement.

IP-PBX Deployment

Seamlessly Integrate into your existing Telephony Architecture



Technical Specification

Music on Hold

- Custom Music on Hold
- Music on Hold

Supported Protocols

- SIP (RFC3261)
- IPv4 and IPv6
- H.323 Backward Compatibility
- Network Time Protocol (NTP)

Supported Extensions

- IP Phone / ATA Extensions
- FXO / FXS / GSM gateways
- Answer and release, hands-free, speaker phone, Softphones
- 3rd party SIP based IP Phones

Mobility Features

- Mobility support via SIP Client/ App for Windows/Mac PC/Laptop, Android and iPhones
- Single Sign On (SSO)
- Voice / Fax to Email
- Click to call
- Call Forward - All, Busy, No answer, Based on time, Logout/ NA, Selective, DND

Other Features

- Least cost routing
- NAT Traversal
- CDR for incoming and outgoing call analysis
- Call Paging - Manual or IVR driven (Zone based)
- Speed Dialing
- Video Calling
- Boss-secretary feature
- Flexible Extension Numbering Plan
- Interconnecting VoIP networks and PSTN
- SNMP based Alert Management
- Instant Messaging (IM) & Presence
- High Availability
- Logical Partitioning
- Open Seating/Extension Mobility
- provision of bulk add and delete operations for users
- In-built 3 party video conferencing
- Abbreviated Dial
- Distinctive rings and Caller Tune
- FTP support to archive CDR and recording files
- SIP Based IP speaker integration
- Time of day/day of week routing
- Role based access control (RBAC)
- Geographical redundancy
- Open APIs
- Multi-tenancy Support
- Customized Routing

Supported Codec

- G.711 mu-law, a-law, iLBC, OPUS, G.729A/B, G.722
- H.264 and H.263

Software Version

- 4.12.0.2

Conferencing

- MWI – Message Waiting Indication
- Meet Me Conferencing
- Adhoc Conferencing
- Automatic Schedule Conference

Web Interface

- System & Subscriber Provisioning
- Viewing Call Details
- Fault Management
- SNMP Alert Notification
- PBX Element Management System
- Subscriber Portal
- HTTP/HTTPS support
- Device Status and Discovery

Call Control

- Automatic Call-back on busy/no reply
- Automatic Call Distribution
- Call Hold and retrieve
- Attendant and attended Transfer
- Blind Transfer
- Do Not Disturb
- Direct Inward Dial (DID)
- Direct Outward Dial (DOD)
- Call Waiting
- Caller ID
- Group Pickup
- Call Restriction
- Three-way calling
- Call Barring
- Hunt Groups (Sequential, Random, Simultaneous)
- Subscriber Provisioning
- Dialed Number Identification Service (DNIS)
- Auth Code based dialling
- Hotline
- Trunk to Trunk Call Access and blocking
- Class of Service treatment

Operating Environment/Compliance

- Backup and restore
- RoHS: RoHS Compliant
- Operating Temperature: 10° to 35° C (50° to 95° F)
- Non-operating Temperature: -40° to 70° C (-40° to 158° F)
- Operating Relative Humidity: 8% to 90% (non-condensing)
- Non-operating Relative Humidity: 5 to 95% (non-condensing)

Voicemail

- Flexible Voicemail Access
- Voicemail to Email

Form Factor

- Form Factor: 1U Rackmount chassis

IVRS

- Inbuilt IVRS
- Multiple Language Support
- Menu Based Flexible Call Flow
- BSS/CRM Integration

Supported Trunk Interface

- SIP (IPv4)
- T1/E1 Phone Lines
- CO/FXO (Through Gateway)

Call Logging and Reporting

- Managerial Dashboard
- Passive Call Recording
- Active Calls window displaying state, call duration and caller/callee number
- Active Endpoints
- Call Logs
- Call Data Reporting based on records, calls on a user (extension) basis, system wise, calls through gateways etc. downloadable in PDF, excel or csv format
- Alert Notification and 3rd Party NMS Alert Management
- Recording and playback with search options
- Archival options for Recording Files
- Widely used .wav format for recording files
- Simple playback

Neox IP-PBX Variants

Configuration	Neox Plus ^{*,#}	Neox Advance ^{*,#}
SIP Trunk Support	Yes	Yes
Max number of SIP Subscribers	Upto 2500*	Up to 30000*
Max number of Call Center Agents	Up to 30*	Up to 100*
BHCC/BHCA	>1 Lac	>2 Lac
Number of Conference Channels	40	120
Voicemail	Yes	Yes
Message Waiting Indication	Yes	Yes
Voicemail to Email	Yes	Yes
Business Features	Yes	Yes
Voice Recording	Yes	Yes
Automatic Schedule Conference	Yes	Yes
Hardware Specifications	Quad Core Processor, 8GB RAM, 1TB HDD, CPU: 2.8GHz, Dual 1GbE Ethernet Ports, Management Port, USB 3.2 Gen1 Ports (3 Nos.), Redundant Power Supply 500W	Eight Core Processor, 128GB RAM, 3 X 1TB SSD, CPU: 3.2GHz, Dual 1GbE Ethernet Ports, Management Port, USB 3.0 Ports (3 Nos.), Redundant Power Supply 500W
	1/2 Port PRI Termination Capability (Optional)	1/2/4 Port PRI Termination Capability (Optional)

*System performance varies based on Calling Algorithm, No. of 3rd Party Integration Interfaces & Environment

*H.323 - Neox Supports H.323 Trunking with any PBX

System Supports Local Survivability of remote branches via configuration of Neox Plus or Advance in "Voice Gateway only" mode. Local Survivability at remote branch is activated for remote branch users when central server is not reachable providing the required connectivity and additional level of redundancy.

Segments



Healthcare



ISP



Builder



IT Industry



Government



Manufacturing Companies



Large Enterprises



Education Institutions



Tours and Travels



Automobile



E-commerce



Telecom

About STL - Sterlite Technologies Ltd

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 recognise 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 achieve Net Zero emissions by 2030.



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