

Making every conversation count

NEOX N60P Entry Level IP Phone



An entry-level phone **NEOX N60P** is designed with a **Gigabit color-screen**, for high performance, particularly suited for enterprises. Offers a **2.4-inch 320x240 pixel color display**, supports up to **4 SIP accounts**, and enables local **6-way audio conferencing**, ensuring a user-friendly interface.

The NEOX N60P offers advanced features like **HD audio**, **built-in PoE**, and **dual 10/100/1000 Mbps Ethernet ports**, and delivers an efficient and premium-quality communication solution for enterprise environments.

Key Specifications

- Supports up to **4 SIP lines** for efficient multi-line communication.
- **HD Audio for superior-clear audio** with **G.722 and Opus audio codecs** on both handset and speakerphone
- **2.4-inch 320x240 resolution color display**
- Handset, speakerphone, and headset operation modes, with support for EHS-compatible wireless headsets
- Supports **6-party audio conferencing** to enable efficient collaboration
- **Dual 10/100/1000 Mbps Ethernet ports with integrated PoE**, with **optional external power adapter**
- **Dual installation options**: desktop stand and wall-mounted for added convenience
- **Encrypted Calling** supported with PBX and SBC

Phone Features

- **Local Phonebook/Personal Directory** : Up to 1000 entries
- **Remote Phonebook**: XML/LDAP support (1000 entries)
- **Call Logs**: 600 entries (Incoming, Outgoing, Missed)
- **Blocked and Allowed Lists** for call management
- **Voice Message Waiting Indication (VMWI)**
- **Programmable DSS/Soft Keys** for quick access
- **Call Recording**: Server-based support
- **Screen Saver** for display customization
- **Network Time Synchronization**
- **Action URL/Active URI** for automation
- Extension **Login/Logout**
- **uaCSTA** for advanced call control
- **Date/Time/Call Duration** Display on screen

Network Features

- **Dual bridged 10/100/1000 Mbps Ethernet ports** with PC bypass support
- **IP Modes**: IPv4, IPv6, Dual-Stack (IPv4 & IPv6)
- **IP Configuration**: DHCP, Static IP, PPPoE
- **Wi-Fi Security**: 802.1x compliance
- **VPN Support**: OpenVPN, L2TP
- **VLAN Support** for network segmentation
- **QoS (Quality of Service)** for optimized performance
- LLDP
- RTCP-XR (RFC3611) and VQ-RTCPXR (RFC6035) for performance monitoring



Provisioning and Control

- **Web Management Portal** for easy configuration
- **Configuration Management:** Export/Import options
- **Phonebook Management:** Import/Export support
- **Firmware Upgrade** for seamless updates
- **Web-Based Packet Dump** for troubleshooting
- **Syslog Support** for system logging and diagnostics
- **Auto-Provisioning:** FTP, TFTP, HTTP, HTTPS, DHCP, OPT66, SIP PNP, TR-069

Audio Features

- **Wideband ADC/DAC** with 16KHz sampling for superior audio performance
- **Full-Duplex Acoustic Echo Cancellation (AEC)** for crystal-clear calls
- **Wideband Audio Codecs:** G.722, Opus
- **Narrowband Audio Codecs:** G.711a/u, G.723.1, G.726, G.729A/B, iLBC
- **Packet Loss Compensation (PLC)**
- **Adaptive Jitter Buffer** (Dynamic)
- **DTMF Support:** In-Band and Out-of-Band (RFC2833/SIP INFO)
- **VQM** (Voice Quality Monitoring)
- **Advanced Audio Features:**
 - Voice Activity Detection (VAD)
 - Comfort Noise Generation (CNG)
 - Background Noise Estimation (BNE)
 - Noise Reduction (NR)
 - Automatic Gain Control (AGC)

Network Security and Protocols

- **SIP 2.0** over UDP, TCP, and TLS
- **Secure Media:** SRTP, RTP/RTCP
- **VPN Support:** OpenVPN, L2TP
- **IP Configuration:** DHCP, PPPoE

- **IPv6 Compatibility** for modern networks
- **Network Discovery:** LLDP (Link Layer Discovery Protocol)
- **Authentication:** 802.1X Network Access Control
- **Encryption:** AES-128 and AES-256 for data security
- **Firewall Traversal:** STUN
- **Time Synchronization:** NTP/SNTP
- **File Transfer:** FTP/TFTP
- **Web Access:** HTTP/HTTPS
- **Remote Management:** TR-069

Calling Functions

- **Make, Answer, or Reject Calls**
- **Hold and Resume Calls**
- **Mute/Unmute Microphone**
- **Call Waiting** for incoming call alerts
- **Redial Last Number**
- **Speed Dial** for quick access to contacts
- **Display or Hide Caller ID** (Anonymous Call)
- **Call Forwarding Options:** Always, Busy, No Answer, DND
- **Call Transfer:** Attended or Blind
- **Call Pickup/Parking**
- **Auto-Answer** for hands-free convenience
- **Do Not Disturb (DND)** mode for uninterrupted time
- **6-Way Audio Conferencing** for group discussions
- **Intercom Function** for internal communication
- **Hotline Setup** for instant calling
- **On-hook/Handsfree** Dialling
- **Hot Desking Support** for shared workspace environments
- **Voice Messaging** (Stored on Server)
- **Auto Disconnect**



Device Specifications

Display and Controls

- **Screen:** 2.4-inch color LCD (320x240 resolution)
- **Keypad** (36 keys):
 - **Soft Keys:** 4
 - **Function Keys:** 9 (Hold, Transfer, Voice Message, Conference, Phonebook, MWI, Headset, Redial, Hands-Free)
 - **Ok Keys:** 1
 - **Navigation Keys:** 4-way with OK Key
 - **Standard Digits:** 12 keys (0-9, *, #)
 - **Volume Control:** 3 keys (Up, Down, Mute Microphone)
 - **Line Keys:** 3 Keys (with LEDs)

Connectivity and Ports

- **RJ9 Ports:**
 - Handset x1
 - Headset x1
- **RJ45 Ports:**
 - Network x1
 - PC x1 (Bridged to Network)
- **DC Power Input:** DC 5V / 0.6A
- **Security Slot :** 1

Power Consumption

- **Power over Ethernet:** IEEE 802.3af, Class 1
- **Power Consumption (Adapter):** 0.84-1.43W
- **Power Consumption (PoE):** 1.32-2.09W

Accessories and Installation

- **HD Handset (RJ9)** x1
- **Standard RJ9 Handset Wire** x1
- **1.5M CAT.5E Ethernet Cable** x1
- **Desktop Stand** x1
- **Installation:**
 - Desktop Stand:
 - 45° Angle: 169x201.1x177.4 mm
 - 50° Angle: 169x191.9x185.8 mm
 - Wall Mountable (Optional):
169x120.1x213.7 mm

Environmental Conditions

- **Operating Temperature:** 0°C ~ 45°C
- **Operating Humidity:** 10% ~ 95%

Indicators

- **Status Light:** Red

Why STL-Neox?

Trusted Globally: CCaaS/UCaaS solution with 500+ customers worldwide
Certified Excellence: Make in India, Gartner-reviewed, ISO 27001/14001, CMMi Level 5, DOT-TRAI tested
All-in-One Platform: Unifies all communication needs on a single platform
Open SIP Protocol: Avoids vendor lock-in
In-House Development & Customization: Tailored to meet specific client needs
24x7 Professional Support: Strong post-sales service for seamless operations
Value for Govt. Helplines, Telcos, Data Centers, and Enterprises
Multi-Vendor Compatibility: Interoperable with various systems
Compliance-Ready: Meets data privacy and security standards

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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