



## NEOX N4 Enterprise IP Phone



NEOX N4 is an enterprise IP Phone featuring 2.8-inch main color screen and 2.4-inch extended screen, HD voice, gigabit Ethernet, 12 SIP lines, PoE, 6-way audio conference and other extended features like EHS headset, BT dongle and Wi-Fi dongle. It provides the high-quality and convenient experience for users.

### Highlights

- 2.8-inch main color screen and 2.4-inch extended screen for DSS keys
- HD audio on speakerphone and handset
- Support 6-way audio conference
- 3 Line keys on the main screen
- 6 DSS keys on the extended screen, up to 30 DSS keys via 5 pages
- Support EHS wireless headset, Wi-Fi dongle or BT dongle
- Dual Gigabit ports, integrated PoE
- Stand with 2 adjustable angles of 45 and 50 degrees

#### Generic

- 12 SIP Lines
- HD voice
- PoE enabled
- 2 LCDs (Main + DSS)
- Intelligent DSS keys
- Handset / hands-free / headset mode
- Desktop stand / wall-mounted (need an additional wall hanging parts)
- Optional external power supply

#### Network

- Physical: 10/100/1000Mbps ethernet, dual bridged port for PC bypass
- IP Mode: IPv4/IPv6/IPv4&IPv6
- IP Configuration: Static IP / DHCP / PPPoE
- Network Access Control: 802.1x
- VPN: L2TP / OpenVPN
- VLAN
- LLDP
- CDP
- QoS
- RTCP-XR (RFC3611), VQ-RTCPXR (RFC6035)

## Phone Features

- Local phonebook (1000 entries)
- Remote phonebook (XML/LDAP, 1000 entries)
- Call logs (in/out/missed, 1000 entries)
- Block/Allow List Call Filter
- Screen saver
- Voice message waiting indication (VMWI)
- Programmable DSS/soft keys
- Network time synchronization
- Support Bluetooth headset (Via BT dongle BT20)
- Support Wi-Fi Dongle (Via WF20)
- Support Plantronics wireless headset (through Plantronics APD-80 EHS cable)
- Support Jabra wireless headset (through EHS20 EHS cable)
- Support recording (through flash drive or server)
- Action URL / Active URI
- uaCSTA

## Deployment & Management

- Auto-provisioning via FTP/TFTP/HTTP/HTTPS/DHCP OPT66/SIP PNP/TR-069
- Web management portal
- Web-based packet dump
- Configuration export / import
- Phonebook Import/Export
- Firmware Upgrade
- Syslog

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## Call Features

- Call out / answer / reject
- Mute / unmute (microphone)
- Call hold / resume
- Call waiting
- Intercom
- Caller ID display
- Speed dial
- Anonymous call (hide caller ID)
- Call forward (Always/Busy/No Answer)
- Call transfer (Attended/Unattended)
- Call parking/pick-up (depending on server)
- Redial
- Do-Not-Disturb
- Auto-answering
- Voice message (with server)
- 6-way conference
- Hot line
- Hot desking

## Audio

- HD voice microphone/speaker (handset/hands-free, 0 ~ 7KHz frequency response)
- HAC handset
- Wideband ADC/DAC 16KHz sampling
- Narrowband codec: G.711a/u, G.729A/B, iLBC
- Wideband codec: G.722, Opus
- Full-duplex Acoustic Echo Canceller (AEC)
- Voice Activity Detection (VAD) / Comfort Noise Generation (CNG) / Background Noise Estimation (BNE) / Noise Reduction (NR) / Automatic Gain Control (AGC)
- Packet Loss Concealment (PLC)
- Dynamic Adaptive Jitter Buffer
- DTMF: In-band, Out-of-Band (RFC2833/ SIP INFO)
- VQM voice quality monitoring

## Protocols

- SIP2.0 over UDP/TCP/TLS
- RTP/RTCP/SRTP
- STUN
- DHCP
- IPv6
- LLDP
- CDP
- PPPoE
- 802.1x
- L2TP
- OpenVPN
- SNTP
- FTP/TFTP
- HTTP/HTTPS
- TR-069
- AES128 & AES256

## Physical Specifications

- Main LCD: 2.8-inch (320x240) color screen
- DSS key-mapping LCD: 2.4-inch (240x320) color screen
- Keypad: 41 keys, including
  - 3 Line keys (with LED indicator light)
  - 4 Soft-keys
  - 6 Function keys (Hold, Call forward, Conference, MWI, Headset, Redial)
  - 4 Navigation keys
  - 1 OK key
  - 12 Standard phone digits keys
  - 3 Volume control keys (Up/Down/Mute (Microphone))
  - 6 DSS keys (with LED indicator light)
  - 1 Page-switch (PS) key (with LED indicator light)
  - 1 Hands-free key (with LED indicator light)
- HD handset (RJ9) x1
- Standard RJ9 handset cord x1
- 1.5M CAT.5E ethernet cable x1
- Back rack x1
- Status indicator light x1 (Red)
- RJ9 port x2: handset x1, headset x1
- RJ45 port x2: network x1, PC x1 (bridged to network)
- USB2.0 port x1: Standard A, connect with USB BT dongle or USB Wi-Fi dongle or flash driver
- DC port x1:  $\Phi 5.5 \times 2.1 \times 10$ mm
- Safety keyhole x1
- DC power input: DC5V / 2A
- Working temperature: 0~45°C
- Working humidity: 10~95%
- Installation:
  - Desktop stand
  - Wall-mounted (need an additional wall hanging parts)
- Color: black
- Device dimensions:
  - Desktop stand (angles 1: 45 degree): 214x188.6x181.1 mm
  - Desktop stand (angles 2: 50 degree): 214x180.5x190.1 mm
  - Wall-mounted: 214x119.4x219.1 mm
- Gift box dimensions: 315x228x84 mm
- Outer CTN dimensions: 476x440x335 mm (10 PCS)

## About Sterlite technologies:

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 achieving Net Zero emissions by 2030.



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