

Making every conversation count

NEOX N600V Video IP Phone



As a premium enterprise IP phone featuring Android 9.0 OS, the N600V offers a more intuitive and seamless touch interface for users. With 112 DSS keys on the 7-inch color touchscreen and an integrated USB/TF interface with support for third-party apps, it simplifies and enhances unified communication. Equipped with an adjustable built-in camera, the N600V delivers exceptional audio and video quality for group conferencing.

Key Specifications

- **20 SIP lines** with SIP hotspot functionality
- **Integrated 1080P high-definition camera**
- **112 programmable DSS keys** accessible via a **7" capacitive color touchscreen**
- **HD audio and video quality**
- **Supports H.264 video codec** for **SIP-based video calls** and **RTSP for video streaming/monitoring**
- **Dual Gigabit Ethernet ports** with built-in PoE and an optional external power adapter
- Supports up to 116 DSS keys, each configurable for Line, BLF, Speed Dial, and other functions

Network Features

- **IP Configuration:** DHCP, Static IP, PPPoE
- **IP Modes:** IPv4, IPv6, Dual-Stack (IPv4 & IPv6)
- **Dual 10/100/1000 Mbps Ethernet Ports** with PC bypass support
- **Network Access Control:** 802.1X Authentication
- **VPN Support:** OpenVPN, L2TP
- **VLAN Support** for network segmentation
- **QoS (Quality of Service)** for optimized performance
- **LLDP and CDP for network discovery and management**
- **Call Quality Monitoring:** RTCP-XR (RFC3611) and VQ-RTCPXR (RFC6035)

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

Phone Features

- **Local Phonebook:** Up to 2000 entries
- **Remote Phonebook:** XML/LDAP support (2000 entries)
- **Call Logs:** 1000 entries (Incoming, Outgoing, Missed)
- **Blocked and Allowed Lists for call management**
- **Voice Message Waiting Indication (VMWI)**
- **Advanced Search for Contacts and Call Log**
- **Audio Video Recording**
- **Screen Saver**
- **Multicast**
- **Strategy plan**
- **Network Time Synchronization**
- **Unique Ringtone**
- **Personalised ring**
- **Action URL / Active URI**

Operating Features

- **Enables third-party application support**
- **Android 9.0 operating system** with enhanced security and improved compatibility
- **Pre-installed applications:** Files, Calendar, Gallery, Browser, Email, Calculator, Notepad, Sound Recorder, Clock, Video, and Music
- **Supports API for secondary development**



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
- **Call Transfer:** Attended or Blind
- **Call Pickup/Parking** (Server-dependent)
- **Auto-Answer** for hands-free convenience
- **Do Not Disturb (DND)** mode for uninterrupted time
- **3-Way Audio Conferencing** for group discussions
- **Intercom Function** for internal communication
- **Hotline Setup** for instant calling
- **Hot Desking Support** for shared workspace environments
- **BLF**
- **Voice Messaging** (Stored on Server)

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) and Cisco Discovery protocol (CDP)
- **Authentication:** 802.1X Network Access Control
- **Encryption:** AES-128 and AES-256 for data security
- **Firewall Traversal:** STUN
- **Time Synchronization:** SNTP
- **File Transfer:** FTP/TFTP
- **Web Access:** HTTP/HTTPS
- **Remote Management:** 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
- **Advanced Voice Processing:**
 - Noise Reduction (NR)
- **Voice Quality Enhancements:**
 - Packet Loss Concealment (PLC)
 - Dynamic Adaptive Jitter Buffer
- **DTMF Support:** In-band, Out-of-Band (RFC2833/SIP INFO)
- **Handset with Hearing-Aid Compatibility (HAC)**
- **Handset with HD Voice Microphone & Speaker** (Frequency Range: 0 ~ 7KHz, for Handset/Hands-free modes)

Video Features

- **Supports video decoding:** H.264
- Video can be displayed in full-screen mode from remote locations
- **Frame rate options:** 5 to 30 fps
- **Bandwidth range:** 64 kbps to 4 Mbps
- **Compatible video format:** MP4
- **Supported image formats:** JPEG, PNG, BMP
- **Integrated Camera**
- **2 Megapixel resolution**
- **Adjustable angle and flexible placement**
- **Video Preview feature**
- **Video resolution for calls:** QVGA, CIF, VGA, 4CIF, 720P, 1080P



Device Specifications

- **Display:** 7-inch IPS color touchscreen (1024x600 resolution)
- **Ports:**
 - **RJ45 x2:** 1 for Network, 1 for PC (bridged to Network)
 - **RJ9 x2:** 1 for Handset, 1 for Headset
 - **HDMI x1:** Type A
 - **USB 2.0 x1:** Standard A for flash drive connection
 - **TF card slot x1:** Supports up to 128GB
- **Power Supply:** 5V/2A adapter or PoE Class 3
- **Temperature Range:** 0 to 45°C (operational)
- **Humidity Range:** 10% to 95% (operational)
- **Installation Options:** Wall-mounted or desktop setup
- **Keypad with 5 buttons:**
 - **Home key:** 1
 - **Return key:** 1
 - **Hands-free key:** 1
- **Volume control keys (Up/Down):** 2
- **Accessories Included:**
 - **HD Handset (RJ9) x1**
 - **Standard RJ9 Handset Cable x1**
 - **1.5M CAT5 Ethernet Cable x1**
 - **Back Rack x1**

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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