



NEOX N210i Operator Console IP Phone



NEOX N210i is an operator console IP Phone. It is equipped with a gooseneck microphone and supports HD hands-free calling. With intelligent programmable DSS buttons, you can set up a one-click call function to improve communication efficiency. It is compatible with the standard SIP protocol and can be used as a monitoring center or host for office manager with functions such as make calls for external & internal phones, two-way intercom, monitoring, and broadcasting. The N210i improves management efficiency and emergency response capabilities.

Highlights

- 20 SIP lines, 3-way conference, hotspot.
- HD audio on speakerphone and handset.
- Movable type Directional External Gooseneck Microphone.
- 4.3" main color display, 2x3.5" side color displays for DSS keys.
- Built-in Bluetooth.
- Wi-Fi connectivity (Via Wi-Fi dongle).
- Up to 106 DSS keys (42 tri-colored physical keys).
- Video Codec H.264 support for receiving video calls.
- Dual Gigabit ports, integrated PoE.
- Stand with 2 adjustable angles of 40 and 50 degrees.

Generic

- 20 SIP Lines
- HD Voice
- Support receiving Video call.
- POE Enabled
- 3 LCDs (Main + DSS)
- Handset / Hands-free / Headset mode
- Intelligent DSS Keys
- Optional External Power Supply

Networking

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

Phone Features

- Local Phonebook (2000 entries)
- Remote Phonebook (XML/LDAP, 2000 entries)
- Call logs (In/out/missed, 1000 entries)
- Black/White List call Filtering
- Screen saver
- Voice Message Waiting Indication (VMWI)
- Programmable DSS/Soft keys
- Network Time Synchronization
- Built-in Bluetooth 2.1: Support Bluetooth headset
- Support Wi-Fi Dongle
- 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 Recording)
- Action URL / Active URI
- uaCSTA

Deployment & Management

- Auto-Provisioning via FTP/TFTP/HTTP/HTTPS/DHCP OPT66/SI
- PNP/TR-069
- Supports the third party communication APP
- Web Management Portal
- Web-based Packet Dump
- Configuration Export / Import
- Phonebook Import/Export
- Firmware Upgrade
- Syslog

Network

- Physical: 10/100/1000 Mbps Ethernet, dual bridged port for PC bypass
- IP Mode: IPv4
- IP Configuration: Static / DHCP
- Network Access Control: 802.1x
- VPN: OpenVPN (Requires third-party app support)
- VLAN
- LLDP

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 Forwarding (Always/Busy/No Answer)
- Call Transfer (Attended/Unattended)
- Call Parking/Pick-up (Depending on server)
- Redial
- Do-Not-Disturb
- Auto-Answering
- Voice Message (On server)
- 3-way Conference
- Hot Line
- Hot desking

Audio & Video

- HD Voice Microphone/Speaker (Handset/Hands-free, 0 ~ 7KHz Frequency Response)
- HAC handset
- Wideband ADC/DAC 16KHz Sampling
- Narrowband Codec: G.711a/u, G.723.1, G.726-32K, G.729A/B,
- AMR, iLBC
- Wideband Codec: G.722, AMR-WB, 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 up to 300ms
- DTMF: In-band, Out-of-Band – DTMF-Relay (RFC2833) / SIPINFO
- Video codec: H.264
- Video call resolution: QCIF / CIF / VGA

Protocols

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

Physical Specifications

- Main LCD x1: 4.3 inch (480x272) color-screen LCD
- DSS Key-mapping LCD x2: 3.5 inch (320x480) color-screen LCD
- Keypad: 77 keys, including
 - 4 Soft-keys
 - 6 Function keys(Hold, Call forward, Phonebook, MWI, Headset, Redial)
 - 4 Navigation keys
 - 1 OK key
 - 1 Return key
 - 12 Standard Phone Digits keys
 - 3 Volume Control keys, Up/Down/Mute(Microphone)
 - 1 Hands-free key
 - 42 DSS Keys with tri-color LED
 - 3 Page-Switch (PS) key
- HD Handset (RJ9) x1
- Standard RJ9 Handset Wire x1
- 1.5M CAT5 Ethernet Cable x1
- Gooseneck Microphone x1
 - Directional microphone
 - Frequency response: 20Hz~20KHz
 - SNR: ≥60 dB.1kHz at 1 Pa
- Back Rack x1
- Gooseneck MIC Port x1: Gooseneck Microphone x1
- 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 Wi-Fi USB dongle or Flash Driver
- DC Power Input: 5V/2A
- Power Consumption (PoE): 2.6~ 9W
- Power Consumption (Adapter): 2.4~8W
- Working Temperature: 0~45°C
- Working Humidity: 10~95%
- Installation: Desktop Stand
- Color: Dark gray
- Device Dimensions
 - Desktop Stand (Angles 1): 309 x 214 x 187mm
 - Desktop Stand (Angles 2): 309 x 226 x 167mm
- Gift Box Dimensions: 323 x 301 x 71mm
- Outer CTN Dimensions: 624 x 383 x 348mm (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.



Contact us at:
+91 9712900567

For queries or
demos email us on: presales.neox@stl.tech