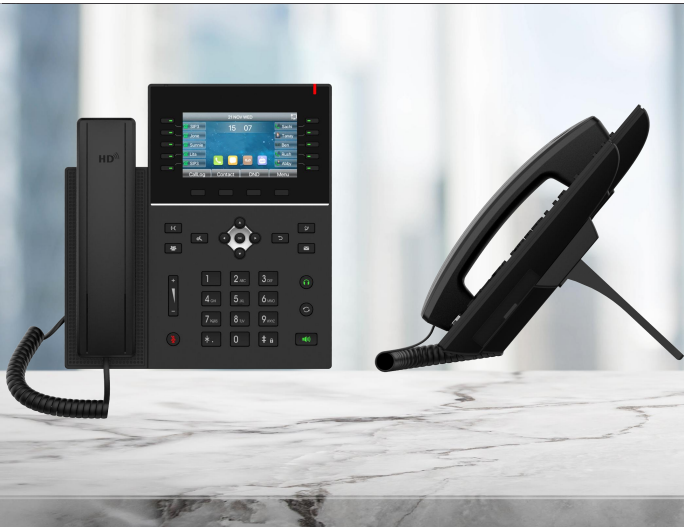


NRP1510G/P

High-End Color-Screen IP Phone



NRP1510G/P is an enterprise-level screen IP Phone. With all the necessary VoIP features and other extended features like EHS headset, BT dongle and Wi-Fi dongle, it provides the high-quality and convenient experience for users at an affordable price.

Highlights

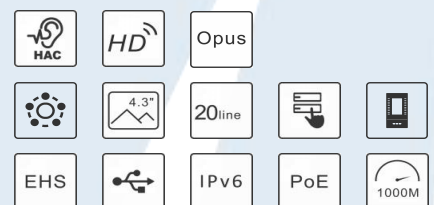
- ✓ 4.3" main color display
- ✓ HD audio on speakerphone and handset
- ✓ Support 6-party local conference
- ✓ 10 DSS keys on the main display (9 DSS keys and 1 page key), up to 45 DSS keys (9 two-colored physical keys for up to 5 page). The NRP1510G/P IP phone can be fully equipped with up to five Color-screen Expansion Modules of the EM50, while adding 300 additional buttons at most.
- ✓ Support EHS wireless headset, Wi-Fi dongle or BT dongle and Expansion Module.
- ✓ Dual Gigabit ports, integrated PoE.
- ✓ Stand with 2 adjustable angles of 45 and 50 degrees
- ✓ Compatible with major platforms: Asterisk, Broadsoft, 3CX, Metaswitch, Elastix, Avaya etc.

Generic

- 20 SIP lines
- HD voice
- Support receiving video call
- PoE enabled
- 4.3-inch (480x272) color screen
- Handset / hands-free / headset mode
- Intelligent DSS keys
- Support Expansion Module for the EM50 (The NRP1510G/P need upgrade to the version of 2.3.0 or higher)
- Desktop stand / wall-mounted (need an additional wall hanging parts)
- Optional external power supply

Video

- Hardware video decoding: H.264
- Video call resolution: QVGA / CIF / VGA / 4CIF / 720P / 1080P



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Phone Functions

- Local phonebook (1000 entries)
- Remote phonebook (XML/LDAP, 2000 entries)
- Call logs (in/out/missed, 1000 entries)
- Black/white list call filter
- Screen saver
- Voice message waiting indication (VMWI)
- Programmable DSS/soft keys
- Network time synchronization
- Support BT dongle or 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)
- Support Expansion Module for the EM50
- Action URL / Active URI
- uaCSTA

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.723.1, G.726, G.729A/B, iLBC
- Wideband codec: G.722, Opus
- Full-duplex hands-free speakerphone with 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

Call Functions

- Call out / answer / reject
- Mute / unmute (microphone)
- Call hold / call 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

Network

- Physical: 10/100/1000 Mbps 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
- QoS
- RTPC-XR (RFC3611), VQ-RTCPXR (RFC6035)

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High-End Color-Screen IP Phone



Protocols

- SIP2.0 over UDP/TCP/TLS
- SIP v1(RFC2543)v2(RFC3261)
- TLS 1.3
- RTP/RTCP/SRTP
- STUN
- DHCP
- IPv6
- LLDP
- PPPoE
- 802.1x
- L2TP
- OpenVPN
- SNTP
- FTP/TFTP
- HTTP/HTTPS
- TR-069
- AES128 & AES256
- IEEE 802.3az

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

Physical Specifications

- Main LCD x1: 4.3-inch (480x272) color screen
- Keypad: 43 keys, including
- 10 DSS keys with LED indicator light
- 4 Soft-keys
- 2 Keys for with LED indicator light, including: mute/headset
- 7 keys, including:
Hold/Transfer/Conference/Back/CallLog/MWI/Redial

- 4 navigation keys
- 1 OK key
- 12 standard phone digits keys
- 2 volume control keys (Up/Down)
- 1 hands-free key for 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 Wi-Fi USB dongle or flash driver or Expansion Module
- DC port x1: $\Phi 5.5 \times 2.1 \times 10$ mm
- Safety keyhole x1
- DC power input: DC5V/2A
- Power Consumption: Idle 1.38~1.98W, Peak 4.4~6.85W
- 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): 225x217x182.4 mm
- Desktop stand (angles 2: 50 degree): 225x206x194.3 mm
- Wall-mounted: 225x110.5x237.9 mm
- Gift box dimensions: 332x245x68 mm
- Outer CTN dimensions: 510x365x352mm (10 PCS)