



Model	Screen	Network	PoE	Power adapter
NRP1202	128×64 dot-matrix	10/100Mbps	×	✓
NRP1202/P	128×64 dot-matrix	10/100Mbps	✓	×

Both of NRP1202&NRP1202/P are entry-level, cost-effective professional desktop IP Phones. Coupled with all the necessary VoIP features at an affordable price, they provide the high-quality and convenient experience for users.

Highlights

- 2 SIP lines, 3-way conference, SIP hotspot
- 1000 entries in local phonebook
- Caller ID, call hold, call transfer
- HD audio on speakerphone and handset
- Opus voice codec, be able to handle a variety of audio applications, including IP voice, multiparty conference, etc.
- Plug and play (working with New Rock IP-PBX)
- Fast Ethernet 10/100Mbps
- Stand at a 45-degree or 50-degree angle
- Compatible with mainstream IP-PBX and SIP platforms
- Auto-provisioning
- Unified management by New Rock UMS management system

Phone Functions

- Local phonebook (1000 entries)
- Remote phonebook (XML/LDAP, 1000 entries)
- Call logs (In/Out/Missed, 600 entries)
- Black/White list call filter
- Voice message waiting indication (VMWI)
- Programmable soft keys
- Network time synchronization
- Support Recording (through server)
- Action URL/Active URI
- uaCSTA

Call Functions

- Call out/Answer/Reject
- Mute/Unmute(microphone)
- Call hold/resume
- Call waiting
- Intercom
- Caller ID display
- 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)
- 3-way conference
- Hot line
- Hot desking

Audio

- HD voice with microphone/speaker (handset/hands-free, 0 ~ 7KHz frequency response)
- Wideband ADC/DAC 16KHz Sampling
- Narrowband codec: G.711a/u, G.726-32K, G.729A, 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)
- Packet Loss Concealment (PLC)
- Dynamic Adaptive Jitter Buffer
- DTMF: In-band, out-of-band DTMF-Relay (RFC2833)/SIP INFO

Network

- Physical: 10/100 Mbps Ethernet, dual ports in bridge mode
- IP Mode: IPv4/IPv6/IPv4&IPv6

- IP address configuration: static IP address/DHCP/PPPoE
- Network access control: 802.1x
- VPN: L2TP/OpenVPN
- VLAN
- LLDP
- QoS
- RTCP-XR (RFC3611), VQ-RTCPXR (RFC6035)

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

Deployment & Management

- Auto-Provisioning via FTP/TFTP/HTTP/HTTPS/DHCP Option66/SIP PNP/TR-069
- New Rock UMS management system
- Web management portal
- Web-based packet-dump
- Configuration file export/import
- Phonebook import/export
- Firmware upgrade
- Syslog

Physical Specifications

LCD	128x48 dot-matrix screen with backlight
Keypad	31 keys, including, 4 soft-keys, 4 navigation keys, 4 function keys (phonebook, MWI, headset, redial), 2 line keys (with LED indicator), 1 OK key, 12 standard phone digit keys, 3 volume control keys (Up/Down/Mute (Microphone)), 1 hands-free key, HD handset (RJ9) ×1, Standard RJ9 handset wire ×1, Back rack ×1, Status indicator light ×1 (Red)
DC Power Input	5V/0.6A
RJ9 port	Handset ×1, Headset ×1
RJ45 port	network ×1, PC ×1 (bridged to network)
Power	idle 0.9~1.65W, peak 1.8~2.95W
Operating	Working temperature: 0~45°C, Working humidity: 10~90%
Installation	Desktop stand Wall-mounted (need an additional wall hanging parts)
Device dimensions	Desktop stand (Angle 1): 181×175.75×184.4 mm Desktop stand (Angle 2): 181×175.85×185.1 mm Wall-mounted: 181×115.43×208.75 mm
Package dimensions	Gift box dimensions: 283×210×82 mm Outer CTN dimensions: 440×435×304 mm (10 PCS)

