



NRP1002/P

- 2 SIP line
- PoE enabled
- 2 DSS key
- HD voice
- Desktop/Wall-mount installation

## Call Features

- Call out/answer/reject
- Call transfer
- Mute/Unmute
- Call parking/pick-up
- Call hold/resume
- Redial/Auto-Redial
- Call waiting
- Do not disturb
- Intercom
- Auto answering
- Caller ID display
- Voice message
- Speed dial
- Local 3-way conference
- Anonymous call
- Hot line
- Call forwarding
- Hot desking

## Phone Features

- Phonebook (500 entries)
- Programmable soft keys
- Call log
- Network time synchronization
- Black/White list call filtering
- Action/Active URI
- Remote phonebook (XML/LDAP)
- Voice message waiting indication (VMWI)

## Audio

- HD voice microphone/speaker (handset/hands-free, 0~7KHz frequency response)
- Wideband ADC/DAC: 16KHz sampling
- Narrowband codec: G.711a/u, G.723.1, G.726-32K, G.729AB
- Wideband codec: G.722
- Full-duplex acoustic echo canceller (AEC): hands-free mode, 96ms tail-length
- Packet loss concealment (PLC)
- Voice activity detection (VAD)/comfort noise generation (CNG)/background noise estimation (BNE)/noise reduction (NR)

- Dynamic adaptive jitter buffer: up to 300ms
- DTMF: In-band, Out-of-Band(RFC2833), SIP INFO

## Networking

- 10/100Mbps Ethernet
- Network access control: 802.1x
- IP configuration: static/DHCP/PPPoE
- VPN: L2TP (Unencrypted), OpenVPN
- VLAN
- QoS

## Protocols

- SIP2.0 over UDP/TCP/TLS
- L2TP (Unencrypted)
- RTP/RTCP/SRTP
- OpenVPN
- STUN
- SNTP
- DHCP
- FTP/TFTP
- PPPoE
- HTTP/HTTPS
- 802.1x
- TR-069

## RFCs

- 354/1321/1350/1769/1889/1890/2131/2132/2616/2617/2661/2833/2976/3261/3262/3263/3264/3265/3268/3311/3489/3711/4346/4566/5630/5865

## Deployment & Maintenance

- Auto-Provisioning via DHCP
- Configuration export/import
- option66/SIP PnP/TR-069
- Phonebook export/import
- Web management portal
- Firmware upgrade
- Web-based packet-dump
- Syslog

## Physical Features

LCD	128×48 dot-matrix		
Keypad	31 keys, including, 4 soft-keys, 7 function keys, 4 navigation keys + 1 OK key, 12 standard phone digits keys, 2 volume control keys(up/down), 1 hands-free key		
HD hands-free speaker	1	Standard RJ9 handset wire	1
HD hands-free microphone	1	HD handset	1
Main chipset	Broadcom		
RJ9 phone port	Handset ×1, Headphone ×1		
RJ11 EXT port	Extension module ×1		
RJ45 Ethernet Port	Network x1 (802.3AF PoE Class 1 Enabled), PC x1		
DC power input	5V/0.6A		
Power consumption	Idle: 1.3W, Peak: 4.3W		
Operating	Temperature: 0~40°C, Humidity: 10~65%		
Dual-functional back rack	Desktop stand/Wall-mount		
Color	Black		
Package dimensions	260×255×62mm ( L × W × H )		