

KNPL-520 IP Phone

DATASHEET

The New KNPL-520 IP Phone is a basic phone with the advanced design. Packed with all the necessary VoIP features at an affordable price, it is the best choice for customers who only need essential VoIP access.

Highlights

- ✓ Simple and fashionable appearance of the product
- ✓ Economic and Environmental Friendly design with Elegant housing.
- ✓ Easy installation and configuration
- ✓ Fast Ethernet—10/100Mbps Ethernet with POE enabled
- ✓ Compatible with major platforms: 3CX, Asterisk, Broadsoft, Elastix, AVAYA, etc.

Model	Screen	Network	POE	Power adapter
KNPL-520	128x48 Dot-matrix	10/100Mbps	✓	×



Generic

- 2 SIP Lines
- POE Enabled
- Dot-matrix Screen
- Handset / Hands-free / Headset mode
- Desktop Stand
- Optional External Power Supply

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/Auto-Redial
- Do-Not-Disturb (per line / per phone)
- Auto-Answering (per line)
- Voice Message (on server)
- Local 3-way Conference
- Hot Line
- Hot desking

Phone Features

- Local Phonebook (500 entries)
- Remote Phonebook (XML/LDAP, 500 entries)
- Call logs (in/out/missed, 600 entries)
- Black/White List Call Filtering
- Voice Message Waiting Indication (VMWI)
- Programmable Soft keys
- Network Time Synchronization
- Support Recording (Through Server Recording)
- Action URL / Active URI
- uaCSTA

Audio

- Narrowband CODEC: G.711a/u, G.723.1, G.726-32K, G.729AB
- 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 up to 300ms
- DTMF: In-band, Out-of-Band – DTMF-Relay(RFC2833) / SIP INFO

Networking

- 10/100Mbps Ethernet, dual bridged port for PC bypass
- IP Configuration: Static / DHCP / PPPoE
- Network Access Control: 802.1x
- VPN: L2TP / OpenVPN
- VLAN
- QoS

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Protocols

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

Deployment & Maintenance

- 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

- LCD: 128x48 dot-matrix include backlight
- Keypad: 24 keys, including
 - 4 Soft-keys
 - 4 Function keys (Up, Down, Headset, Redial)
 - 12 Standard Phone Digits keys
 - 2 Volume Control keys, Lower/Increase(Left/Right)
 - 1 Mute key
 - 1 Hands-free key
- Standard RJ9 Handset Wire x1
- 1.5M CAT5 Ethernet Cable x1
- Back Rack x1
- RJ9 Port x2: Handset x1, Headphone x1
- RJ45 Port x2: Network x1, PC x1 (Bridged to Network)
- DC Power Input: 5V / 0.6A
- Power Consumption: Idle 0.89W~1.2W Peak 1.81W~2.5W
- Working Temperature: 0~40°C
- Working Humidity: 10~95%
- Installation: Desktop Stand
- Color: Black
- Device Dimensions: 153x165.8x163.1mm
- Gift Box Dimensions: 250x205x66mm
- Outer CTN Dimensions: 420x340x265mm (10 PCS)

The above specifications may be updated in the future without prior notice. All hardware/software/physical features should be based on the final shipped products.

Compatibility List:



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