



Model: KNPL-580



Need an affordable and convenient IP Telephone with HD Voice? The KNPL-580 is highly effective designed for a mid-range phone that can be used as an integrated phone or a standalone. It is a business class SIP phone with an integrated dual Ethernet switch, G.722 codec support, supports SRTP, support BLF, and 4 DSS keys. POE is optional.

The IP Phones are a Business Grade IP handset with a huge range of features and flexibility. The IP PHONE was designed and built for Enterprise Businesses with its modern design and ergonomic feel.

KNTECH is a professional developer and manufacturer of VoIP products. KNTECH provides VoIP communication devices solutions for small and medium sized businesses, as well as large mission-critical enterprise environments.

Over the 20 years since its establishment, KNTECH has built a strong engineering team and solid partnerships with IP communication chipset providers.



Product Specification

Phone features

- Vxworks OS
- Support SIP2.0 (RFC3261) and correlative RFCs
- SIP support 2 SIP servers, and backup SIP proxy servers
- Supports SIP UDP / TCP/ TLS
- SIP support SIP domain, SIP authentication (none, basic, MD5) , DNS name of server, Peer to Peer / IP Call

Display

- Display Resolution: 128x48 with Backlight

Key Features

- Large dot matrix LCD display and soft keys make user easier to use
- Soft keys programmable
- Function keys programmable (each key have 2-color led indication)
- Supports RJ-9 headset
- Multi languages displayed

Audio Features

- HD voice: HD handset
- Codec: G.711A/u, G.7231 high/low, G.729AB, G.722, G.726-32
- DTMF: In-band, RFC 2833 and SIP INFO
- Full duplex hands- free speaker phone with acoustic echo cancellation
- Voice Activity Detection (VAD)
- Comfort Noise Generation (CNG)
- Background noise suppression
- Adaptive jitter buffers
- Packet loss concealment
- SRTP
- mute

Advanced Features

- Call forwarding (busy/ no answer/ always)
- Call transfer (unattended/ attended/ semi-attended)
- Call holding
- Call waiting
- 3 way call conference
- Capable of 10 way conversation
- BLF list
- Join call
- Call pickup
- Call park
- Redial
- Call back
- Call completion
- Hot desking
- Auto redial
- Predial
- SIP messaging , MWI
- Flexible dial plan
- Barring function for outgoing calls
- Do not disturb
- Auto answer
- Caller ID display
- CLIR(rejects anonymous calls)
- CLIP(to make an anonymous call)
- Dial without registration
- Call logs with missed calls/ incoming calls/ outgoing calls. Each support 300 records
- Phonebook 500 records

- Speed Dial (abbreviated dialing)
- Hotline/Warm-line
- Call rejection
- Black List/ White List
- Intercom/Intercom barge
- Password dial, DTMF hidden
- Action URL/ active URI
- Voice codec setting for each SIP line
- Multicast
- LDAP, XML phonebook
- Web dial
- Keypad lock, Emergency call

Network/ Security Features

- WAN / LAN: 10/100M Ethernet ports
- Bridge mode and route
- PPPoE for xDSL
- 802.3af POE (optional)
- VLAN (Voice VLAN/Data VLAN)
- 802.1X
- NAT (NAPT)
- NAT transverse :Support STUN client
- DHCP client on WAN/ DHCP server on LAN
- Main DNS and secondary DNS server
- DNS Relay
- Sntp Client
- Firewall and DMZ
- Web management access restricted
- VPN(L2TP/Open VPN)
- ping, tracer, telnet

Maintenance & Management

- WEB ,telnet and LCD menu management
- Management with different account right
- Recover firmware and factory reset through POST mode
- Upgrade firmware via HTTP, HTTPS, FTP, TFTP
- DHCP option66 and custom option for auto provisioning
- Auto Provisioning to upgrade configuration file with AES(256) encryption
- TR-069 and Syslog

Physical features

- Adapter Input: AC 100-240V
- Adapter Output: DC 5V/1A
- WAN Port -10/100 BASE-T RJ-45 for LAN
- LAN Port-10/100 BASE-T RJ-45 for PC
- Headset : RJ9
- Power consumption: IDLE: 2.5W Active: 2.8W
- Display Resolution: 128x48 pixels
- Operation Temperature: 0~40℃
- Relative Humidity: 10~65%
- Main Chipset : Broadcom
- SDRAM: 16MB
- FLASH: 4MB
- Weight- Phone:0.99kg
- Dimension:235x225x97 mm

Certification

