PTC3

The PTC3 is an enterprise gigabit colour screen IP Phone. It has HD voice, gigabit ethernet 12 SIP accounts, PoE, built-in Bluetooth, 6-party conference etc rich functions, and other extended features like EHS headset, WiFi dongle, and can meet the user in different scenes.

## Phone Features

- 12 SIP lines
- SIP hotspot
- 1000 phonebook
- caller ID
- call hold
- call transfer
- HD audio on speakerphone and handset
- Support 6-party local conference
- 8 DSS keys on the main display
  (7 DSS keys and 1 page key), up to 35 DSS keys
  (7 two-colored physical keys for up to 5 page)
- Built-in Bluetooth, support bluetooth headset.
- Support EHS wireless headset, Wi-Fi dongle.
- Dual Gigabit ports, integrated PoE
- Stand with 2 adjustable angles of 45 and 50 degrees

## Call Features

- Local phonebook (1000 entries)
- Remote phonebook (XML/LDAP, 1000 entries)
- Call logs (in/out/missed, 1000 entries)
- Block/Allow List Call Filter
- Voice message waiting indication (VMWI)
- Programmable soft keys
- Network time synchronization
- Built-in bluetooth version 4.2 or above: support bluetooth
  headset/ bluetooth of mobile device
- Support Wi-Fi Dongle (Via WF20)
- Support Plantronics wireless headset (through Plantronics
  APD-80 EHS cable)
- Support Jabra wireless headset (through Fanvil EHS20 EHS cable)
- Support recording (through flash drive or server)
- Action URL / Active URI
- uaCSTA

# PTC3

## Physical Specifications

- LCD : 2.8-inch (320x240) colour screen
- Keypad: 39 keys, including
- 7 DSS keys (with LED indicator light)
- 1 Page-switch (PS) key
- 4 Soft-keys
- 4 Function keys (Phonebook, MWI, Headset, Redial)
- 4 Navigation keys
- 2 Line keys (With LED indicator light)
- 1 OK key
- 12 Standard phone digits keys
- 3 Volume control keys Up/Down/Mute (Microphone)
- 1 Hands-free key
- 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 Wi-Fi dongle or flash driver
- DC port x1: Φ5.5x2.1x10mm
- Safety keyhole x1
- DC power input: DC5V/2A
- Working temperature: 0~45°
- Working humidity: 10~95%
- Installation:
- Desktop stand
- Wall-mounted (Wall bracket to be purchased separately)
- Colour: black
- Device dimensions:
- Desktop stand (angles 1: 45 degree): 181x175.75x184.4 mm
- Desktop stand (angles 2: 50 degree): 181x175.85x185.1 mm
- Wall-mounted: 181x115.43x208.75 mm
- Gift box dimensions: 283x210x73 mm
- Outer CTN dimensions: 440x390x304 mm (10 PCS)

## Protocols

- SIP2.0 over UDP/TCP/TLS
- RTP/RTCP/SRTP
- STUN
- DHCP
- IPv6
- LLDP
- CDP
- PPPoE
- 802.1x
- L2TP
- OpenVPN
- SNTP
- FTP/TFTP
- HTTP/HTTPS
- TR-069
- AES128 & AES256

## Generic

- 12 SIP lines
- HD voice
- PoE enabled
- 2.8-inch colour screen
- Intelligent DSS keys
- Handset / hands-free / headset mode
- Desktop stand / wall-mounted (Wall bracket to be purchased separately)
- Optional external power supply

## Networking

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

## 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

## Audio

- HD voice microphone/speaker (handset/hands-free 0 ~ 7KHz frequency response)
- Wideband ADC/DAC 16KHz sampling
- Narrowband codec: G.711a/u, G.729A/B, 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) /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

* The above specifications may be updated in the future without prior notice. All Hardware Software & Physical features should be based on the final shipped product.