NEOPhone
FKT 10 C

High-Performance IP Phone

NEOPHONE FKT 10 C is a high-performance IP phone designed for enterprise use. Equipped with essential VoIP capabilities and enhanced features like EHS headset support, Bluetooth dongle, and Wi-Fi dongle compatibility, it offers a superior communication experience. The NEOPHONE FKT 10 C combines quality and convenience, delivering advanced functionality at an affordable price, making it an ideal choice for businesses looking to enhance their communication systems.

Highlight

» 4.3" main color display

» HD audio on speakerphone and handset

» Support 6-party local conference

» 10 DSS keys on the main display (9 DSS keys and 1 page key), up to 45 DSS keys (9 two-colored physical keys for up to 5 page).

» Support EHS wireless headset, Wi-Fi dongle or BT dongle and Expansion Module.

» Dual Gigabit ports, integrated POE

» Stand with 2 adjustable angles of 45 and 50 degrees

» Compatible with major platforms: Asterisk, Broadsoft, 3CX, Metaswitch, Elastix, Avaya etc.

The NEOPHONE FKT 10 C can be fully equipped with up to five Color-screen Expansion Modules of the DSS FEM 20 C, while adding 300 additional buttons at most.

Technical Specifications

Generic

- 20 SIP lines
- HD voice
- Support receiving video call
- PoE enabled
- 4.3-inch (480x272) color screen
- Handset/hands-free/headset mode
- Intelligent DSS keys
- Support Expansion Module for the FEM 20 C (The FKT 10 C need upgrade to the version of 2.3.0 or higher)
- Desktop stand / wall-mounted (need an additional wall hanging parts)
- Optional external power supply

Phone Functions

- Local phonebook (2000 entries)
- Remote phonebook (XML/LDAP, 2000 entries)
- Call logs (in/out/missed, 1000 entries)
- Black/white list call filter
- Screen saver
- Voice message waiting indication (VMWI)
- Programmable DSS/soft keys
- Network time synchronization
- Support BT dongle or Wi-Fi dongle
- Support Poly wireless headset (Through Poly APD-80 EHS Cable)
- Support recording (through flash drive or server)
- Support Expansion Module for the FEM 20 C
- Action URL / Active URI
- uaCSTA

Call Functions

- Call out/answer/reject
- Mute/unmute (microphone)
- Call hold / call resume
- Call waiting
- Intercom
- Caller ID display
- Speed dial
- 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)
- 6-way conference
- Hot line
- Hot desking

Audio

- HD voice microphone/speaker (handset/ hands-free, 0~7KHz frequency response)
- HAC handset
- Wideband ADC/DAC 16KHz sampling
- Narrowband codec: G.711a/u, G.723.1, G.726, G.729A/B, ILBC
- Wideband codec: G.722, Opus
- Full-duplex hands-free speakerphone with 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

Network

- Physical: 10/100/1000 Mbps 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
- 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
- AES128 & AES256

Deployment & Management

- 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

- Main LCD x1: 4.3-inch (480x272) color screen
- Keypad: 43 keys, including
  ‣ 10 DSS keys with LED indicator light
  ‣ 4 Soft-keys
  ‣ 2 Keys for with LED indicator light, including:mute/headset
  ‣ 7 keys, including: Hold/Transfer/Conference /Back/CallLog/MWI/Redial
  ‣ 4 navigation keys
  ‣ 1 OK key
  ‣ 12 standard phone digits keys
  ‣ 2 volume control keys (Up/Down)
  ‣ 1 hands-free key for with LED indicator light
- 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 BT dongle or Wi-Fi USB dongle or flash driver or Expansion Module
- DC port x1: Φ5.5x2.1x10mm
- Safety keyhole x1
- DC power input: DC5V/2A
- Power Consumption: Idle 1.38~1.98W, Peak 4.4~6.85W
- Working temperature: 0~45°C
- Working humidity: 10~95%
- Installation:
  ‣ Desktop stand
  ‣ Wall-mounted (need an additional wall hanging parts)
- Color: black
- Device dimensions:
  ‣ Desktop stand (angles 1: 45 degree): 225x217x182.4 mm
  ‣ Desktop stand (angles 2: 50 degree): 225x206x194.3 mm
  ‣ Wall-mounted: 225x110.5x237.9 mm

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