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Next Generation IP Phone

IPTone-290

Enterprise IP Phone



Product Overview

IPTone-290 is an easy-to-use Enterprise IP phone, suitable for office communications in small and medium-sized enterprises. This phone uses a 2.4-inch LCD screen with backlight, 2 SIP accounts, 2 programmable keys, high-definition sound quality, 5- party conferences, and richer call functions. Support DSS expansion board access, realize speed dial button/BLF online status monitoring button, and greatly improve office efficiency. The IP Tone-290 phones are highly scalable, and can be flexibly equipped with Gigabit Ethernet ports, PoE power supply, expansion disks, WiFi, etc. according to the user's business needs.

Phone Features

- 2. 4-inch LCD display screen with backlight
- 2 SIP Lines
- Optimized noise reduction, high fidelity sound quality
- 2.4G&5.8G WiFi module is optional
- One-stop remote address book management
- Added the functions of USB 2.0 port for USB

Telephone Functions

- 2 SIP lines
- Multi-language selection
- Caller ID
- Custom DSS key
- Handle/hands-free/headphone mode
- Call hold, mute, blind transfer, inquiry transfer
- Hotline, speed dial
- Do not disturb, call forwarding, call waiting
- Multicast, intercom, text message, keypad lock, emergency call
- Redial, callback, auto answer
- Five-party meeting
- Direct IP call
- 10 types of built-in ringtones / upload custom ringtones
- Manually or automatically synchronize network time
- Dialing rules
- Line sharing
- Action URL & Action URI

IPPBX Features

- BLF
- Voice message
- Anonymous call, anonymous call rejection
- Call park
- Call pickup
- Server-based recording function

Configuration and maintenance

- Web configuration
- Phone configuration
- Automatic deployment: Support FTP/ TFTP/HTTP/HTTPS/SIP PnP/TR-069
- BIN/CFG configuration export/import
- Contact export/import
- CSTA remote control
- Network packet capture and diagnosis
- reset
- System firmware upgrade

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VOIP

Phone Interface

- 1 x RJ-9 (4P4C) handle interface
- 1 x RJ-9 (4P4C) headset interface
- 2 x RJ-45 10/100/1000M adaptive Ethernet port
- (Internet network port, PC network port)
- DC power interface
- Network

Product specification

- Phone main screen: 2.3 inches (132x64) LCD display with backlight
- Information indicator: LED red light
- Phone keyboard
  -2 SIP line keys(with LED lights, programmable)
  - 4 custom soft keys
  - 12 standard telephone number keys
  - 6 function keys: headset, voice message, mute, Call forwarding, redialing, hands-free
  - 5 navigation keys
  - 2 volume up/down adjustment keys
- Color: business gray
- Installation method
  - Desktop
  - Wall-mounted
- Desktop size: 187mm*183mm*162mm
- Phone power consumption: 2~3W
- PoE: IEEE 802.3af/IEEE 802.3at
- Working environment humidity: 10~95%
- Working temperature ：- 10~50° C (+14~122° F)

Carton package

- Packing list:
  - IP phone: IP Tone-290
  - Base
  - Standard Ethernet cable
  - Handle and handle curve
  - Quick start guide
  - Power adapter: input AC 100~240V, Output DC 5V / 1000mA
- Quantity / box: 10 sets
- Gross weight/carton: 9.5 kg
- Color box size: 205mm×205mm×95mm
- Carton size: 500mm×430mm×230mm

Address book

- Local contacts (1000 entries can be stored)
- Blacklist
- XML/LDAP address book
- Contact smart search
- Contact export/import
- Call history: dialed/received/missed/ forwarded calls (1200 records in total)

Audio characteristics

- High-fidelity sound quality: HD handle, HD hands-free
- Broadband codec: G.722, Opus
- Narrowband codec: G.711(A/μ), G.723.1,G.729AB, G.726, iLBC
- DDTMF: In-band transmission (In-band), Out-of-band transmission(RFC2833),IP INFO
- Full-duplex hands-free
- Acoustic Echo Cancellation (AEC)
- Voice Activity Detection (VAD)
- Comfort noise generation (CNG)
- Packet loss compensation (PLC)
- Background noise detection (BNE)
- Automatic gain control (AGC)
- Dynamic adaptive RTP jitter buffer up to 300ms

Network characteristics

- Support IPv4 / IPv6 / IPv4&IPv6
- IP address allocation mode : static IP / DHCP
- Virtual Local Area Network: VLAN
- Data link layer protocol: CDP / LLDP SIP v1 (RFC2543) , v2 (RFC3261)
- Support redundant servers
- ICE
- Support STUN (NAT session traversal)
- Support UDP / TCP / TLS transmission
- Support SRTP encryption protocol
- • SIP trust server (anti-attack)
- HTTP/HTTPS
- TR-069 network management protocol
- SNTP automatically synchronizes
- QoS: QoS: 802.1p/Q tagging (VLAN), Layer3/ToS/DSCP
- HTTPS certificate management, DNS support
- Configuration file encryption
- Support information verification
- RTCP-XR,VQ-RTCPXR
- OpenVPN,IEEE802.1X
- WiFi (2.4G&5G) optional

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