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VOIP

New Generation IP Phone

IPTone-291

Enterprise Giga IP Phone



Product Overview

The new-generation IPTone-291 color-screen IP phone combines advanced features, reliable performance, and excellent value for enterprise communication. Designed for modern business environments, it supports up to 4 SIP lines and features a 100 Mbps Ethernet port for fast and stable network connectivity. With its user-friendly design and smooth communication experience, the IPTone-291 enhances productivity while delivering a clear and enjoyable visual interface.

Salient Features

- 2.4-inch colored LCD display screen
- 4 SIP lines, paperless electronic page turning
- Encrypted call（OpenVPN/TLS/SRTP）
- Noise reduction HD sound quality
- Can be equipped with USB recording/Wi-Fi
- Advanced remote address book management

Phone Features

- 4 SIP lines
- Caller ID with display name
- Custom DSS key， BLF monitoring, hotline，
- Speed dial
- Handle/hands-free/headphone mode
- Call hold, mute, blind transfer, inquiry transfer
- Do not disturb, call forwarding, call waiting
- Multicast, intercom, text message, keypad lock,
- emergency call
- IP direct call, redial, callback, auto answer
- 5 party conference， line sharing， dialing rules
- 10 types of built-in ringtones / upload custom
- ringtones
- Manually or automatically synchronize network
- time
- Action URL & Action URI

Phone Interface

- 1 x RJ-9 (4P4C) handle interface
- 1 x RJ-9 (4P4C) headset interface
- 2 x RJ-45 10/100M adaptive Ethernet port
- DC power interface
- USB2.0 interface

IP PBX Features

- BLF， voice message
- Anonymous call, anonymous call rejection
- Call Park, call pickup
- Server-based recording function

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Network

- 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
- Support ICE, STUN (NAT session traversal)
- Support UDP / TCP / TLS transmission
- Support SRTP encryption protocol
- SIP trust server (anti-attack mechanism)
- HTTP/HTTPS
- TR-069 network management protocol
- SNTP automatically synchronizes network dates and times
- QoS: QoS: 802.1p/Q tagging (VLAN), Layer3/ToS/DSCP
- HTTPS certificate management
- Support configuration file encryption
- RTCP-XR, VQ-RTCPXR

Address Book

- Blacklist
- XML/LDAP address book
- Contact smart search

Deployment & Management

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

Audio

- 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
- DTMF: In-band transmission (In-band) , Out-of-band transmission (RFC 2833), SIP 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

Product Features

- Phone main screen: 2.4-inch color LCD display
- Information indicator: LED red light
- Phone keyboard：
  - 4 SIP line keys (with dual-color LED lights, programmable)
  - 4 customizable 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*184mm*147mm
- Phone power consumption: 2~3W
- PoE: IEEE 802.3af/IEEE 802.3at
- Working environment humidity: 10~95%
- Working temperature：-10°C to 50°C (+14°F to +122°F)

Model	Network	PoE	Power adapter
IPTone-291	10/100M	√	Optional
IPTone-291GP	10/100/1000M	√	Optional
IPTone-291W	10/100M&WiFi	√	Optional

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