

IP2082

Middle-End Office IP Phone



Feature

- Complete VoIP and networking protocols support
- Rich supplementary call services and phone features
- Support wideband audio quality
- Support 4 Lines / Call appearance
- 8 Programmable keys/LEDs supported.
- Extended Dial Module optional
- High performance and versatile functions but affordable
- Good Interoperability for SIPv2, Asterisk, IP-Centrex, and Softswitch
- Auto-provisioning, management and security enhancement

IP2082 is an advanced middle level IP telephone for enterprise office VoIP communications.

With sophisticated design, versatile features supported to call service and expansion of capability, it increases much office productivity and gains better investment return. So, it is ideal for enterprise, SME or even SOHO office application. Basically, it supports generic SIP firmware running under a universal SIP server. But for a variety of application requirements or ODM customization, it also can support different solutions, including different IP-PBX/ soft-switch / IP-Centrex (SIP-B) compatibility. Basically, IP2082 supports some optional add-on accessories, like IP-WMK wall-mount kit, IP-EDM an Extended Dial Module, AC power adaptor and more.

Specifications

Standards

- RFC 3261 SIP V2
- SIP over UDP, TCP, TLS
- RFC 4566 Session Description Protocol (SDP)
- RFC 3264 Offer/Answer Model with Session Description
- RFC 3605(RTCP attribute in SDP)
- RFC 3265 SIP Event Notification
- RFC 3903 Extension for Event State Publication
- RFC 3680 Event Package for Registrations
- RFC 3842 Message Summary and Message Waiting Event Package
- RFC 4235 An INVITE-Initiated Dialog Event Package for SIP
- RFC 2976 INFO Method
- RFC 2833 / RFC 4733 In-band DTMF
- RFC 3262 Reliability of Provision Responses in SIP
- RFC 3323, 3324, 3325 Related to Caller id delivery and privacy
- RFC 3515 REFER Method
- RFC 3891 Replaces Header
- RFC 3892 Referred-By Mechanism
- RFC 3420 Internet media type/sipfrag
- RFC 3428 Extension for Instant Messaging
- RFC 4028 Session Timers
- RFC 3311 UPDATE Method
- RFC 3361: DHCP options for SIP
- RFC 3263: Locating SIP Servers
- draft-anil-sipping-bla-04.txt
- draft-ietf-sipping-cc-transfer-05.txt - SIP Call Control – Transfer
- RFC 3310 HTTP Digest Authentication using AKA
- RFC 2617 HTTP Authentication: Basic and Digest Access Authentication

Network Protocols

- IPV4 / IPV6
- TCP / UDP
- FTP, TFTP, SFTP
- SNMP / DNS/ DHCP / Telnet, TLS
- HTTP, HTTPS
- RTP / RTCP / SRTP, Receiving Multicast RTP Streams

- DES/3DES, AES, SHA-1, MD-5 encryption
- SNMP V2
- STUN NAT
- Diffserv TOS for RTP and SIP
- IEEE802.1p, IEEE802.1q, VLAN,
- Anti Dos Attack and Broadcast from Ethernet

Voice Handling

- Supports codec G.711 a/μ law, G.726 (Optional : G.729 A/B, G.723.1, G.722)
- Supports VAD, CNG, AGC and Acoustic Echo Cancellation
- Jitter buffering and PLC packet loss concealment
- Enhanced voice quality for handset, headset and hands-free

Dialing methods

- On-hook dialing & near Full-duplex speakerphone
- Redial, Mute, Call log, Phone book, Web dial, and speed dial
- 4 Call / Line appearance
- EDM speed dial keys

Call Features

- Call ID, CLIP / CLIR, Call Hold, Transfer (Blinded/ Attended), Forward, Wait, CWI, 3-way Conference, MWI, Text Messaging and more.
- 4-Line/Call appearances
- Music On-hold
- Wave file support for music ring tone
- Intercom / Distinctive Ringing and Alert (with Alert-Info)
- User-programmable ring tone table support
- Click-dial function in PC and phones

Phone Functions

- Redial, Speed dial, Abbreviated dial
- Mute / Resume
- Call log, Phone book
- Alarm, Programmable features enable/disable in

IP2082

Middle-End Office IP Phone

Specifications

Configuration and Management

- Auto-provisioning, security, encryption support
- Auto-Provisioning at Power-on & auto periodic Registration
- Remote and local configuration & management
- Engineering trace log
- IP phone plug and play function (** IG6000 IPPBX)
- Firmware boot loader supports TFTP/FTP for Emergency Upgrade
- Firmware image and configuration files download & upgrade
- Good InterOp IOT with Broadsoft, Asterisk, and many IP-centrex, Softswitch, and SIP servers.

Display & LEDs

- 128 x 64 graphic LCD display
- 1 dual color MWI indicator
- 4 Line/Call LEDs
- 8 Programmable key LEDs
- Functional key LED for Speaker, Mute, Headset

Keys

- 4 LCD context-sensitive soft-keys & 5 navigator keys
- 4 Line/ Call appearance supported
- 8 programmable Features / Speed Dial keys/LEDs
- 9 Function Keys: Speaker, Mute, Headset, Hold, Transfer, Conference, Message, Phonebook, Redial keys
- 12 keys standard dial key pad
- Optional IP-EDM for more speed dial /abbreviated codes/ features

Conformance

- FCC Class B,
- CE/LVD Class B,
- Safety U/L

I/O Ports

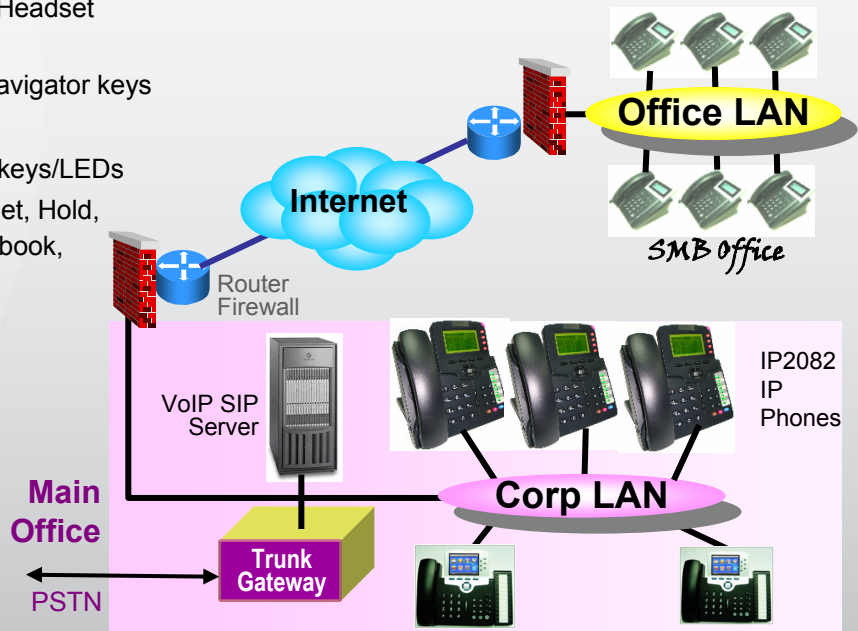
- Dual 10/100 BaseT RJ-45 ports with QoS / VLAN support
- 1 USB 1.1 port
- Dual Headset ports with RJ-9 connector
- Embedded Ethernet switch with QoS /VLAN support
- Embedded RS-232 UART port for engineering service

Optional Add-on Accessories

- IP-WMK Wall Mount Kit
- IP-EDM 24 keys/LEDs extended Dial Module
- AC Power Adaptor for different country Plug type
- USB Flash Memory Dongle for voice mail storage
- USB Keyboard for Instant Message/ Phonebook key-in
- WiFi Ethernet Bridge
- More(like universal U-box for USB, reserved **)

Power Supply

- PoE 802.3af built-in
- 5V DC/2A AC switching power adapter (Optional)



Copyright © 2008 Tecom Co., Ltd. All rights reserved. Tecom, Tecom logo are registered trademarks of Tecom Co., Ltd. All specifications are subject to change without notice.