

IP215

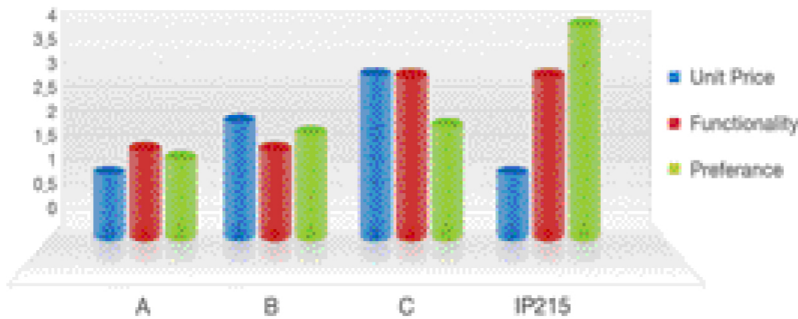
Cost Effective VoIP Phone

Great features and Refined design for user

Economical VoIP solution for Soho market



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Business based on standard SIP

As VoIP phone for business based on standard SIP, it meets every function of various IP PBX and soft-switches embodying linked function enough. It proved their stability and VoIP technique by installing them into domestic and overseas sites. Based on the proved technique, it increase the convenience and productivity.

Optimum solution for various businesses

The best features as contrasted with price. IP210 is the revolutionary and economical solution for various business and home user.

4 speed dial and 15 functional buttons



- 4 speed dials
- 5 menu buttons
- 8 functional buttons

High Quality sound at conference phone level



Speaker phone function built in phone guarantees high quality sound, supporting Full Duplex like conference phone.

SRTP and TLS security



Cutting the hacking and wiretapping by SRTP(Secured Real time Transport protocol), TLS(Transfer Layer Security), the system supports secured telecommunications.

Remote upgrading for Effective management



By Remote Management and installation over Web Interface, it makes effective management be possible.

IP215 Specification

Call Function

- Call Forwarding
- Call Hold
- Call screen/ Do Not Disturb
- Call Pickup
- Call Transfer
- Call Waiting
- 3-Way Conference call
- SIMPLE Based Instant Messaging and Presence
- Auto Provisioning (HTTPS, HTTP, TFTP)

SIP Protocol

- Proxy Registration and Failover
- Outbound Proxy
- Multi-User Registration
- Registration Timer
- SIP Transport – UDP, TCP, TLS
- Secured Media Negotiation(SRTP)
- Realm-Based Authentication(Digest Authentication)
- Session Timers
- DNS Query (A Record, SRV, NAPTR)
- CoDec Negotiation
- DTMF Relay RTP Payload(RFC 2833) or SIP Info
- Hook Flash Signaling
- Visual Message Waiting Indicator

DTMF/Ring Signal

- DTMF (Dual-Tone Multi-Frequency)
- Multiple Ring Tones
- My Bell : 10 Ring Tones
- Call Progress Tone Generation (Dial Tone, Busy, Audible Ring Back)
- DTMF Generation (RFC 2833 In-Audio or Out-of-Band SIP Info)

Voice & Codec

- CNG (Comfort Noise Generation)
- Echo Cancellation : G.168 Compliance
- Codec Auto Negotiation
- CoDecs
 - Narrow Band -G.711 μ Law/aLaw with PLC, G.722.1, G.723.1/A, G.726, G.728, G.729A/AB/E, Broadvoice@16
 - Wide Band – G.722.1, Broadvoice@32
- Echo Suppression (G.164)
- Enhanced Packet Loss Concealment
- Silence Suppression (G.164)
- VAD (Voice Active Detector)
- Adaptive Jitter Buffer
- SIPFrag (RFC 3420)
- Dynamic Payload Support
- Adjustable Audio Frames per Packet
- Flexible Dial Plan Support with Inter-Digit Timers

IP Network

- IPv4 (RFC 791), IPv6(RFC1883) Dual Stack (Optional), TCP, UDP, HTTP, ARP, ICMP
- RTP/RTCP, Secure RTP
- DNS: A Record (RFC 1706), SRV Record (RFC 2783)
- NAT/PAT
- VLAN: IEEE 802.1q
- QoS: IEEE 802.1p, DiffServ(RFC 2475)
- Network Address Assignment: Static IP/DHCP, PPPoE

Managemen

- Password Protection for Admin Mode and User Mode
- Management Protocol : SNMPv2 (RFC 2782)
- Auto Provisioning : DHCP TFTP, Static TFTP, HTTP
- Remote Software Upgrade : http, tftp
- Remote Configuration

Ethernet

- Dual Switched 10/100 Based-T Through RJ-45 Interfaces
- 10/100BASE-T : 2 Ports Providing Auto-MDI/MDIX, Enabling the Use of Straight or Crossover Cable in Either Port
- 1 RJ-45 Port to Connect LAN or Wan, This Port Supports Optional PoE (IEEE802.3af or In Line Power)
- 1 RJ-45 Port to Connect PC

Key & Button

- Dial Keys : 12 Keys (0 to 9, * and # Key – ITU(E.161)
- 10 Function Keys
- Speaker Phone Button for Conference Call
- 8 Memory Dial Keys
- 5 Navigating Keys : Up, Down, Left, Right, Menu, Enter, ESC
- Volume Up/Down Keys for Ringer, Speaker and Handset Receiver
- Phonebook: Record 100 Entries
- Call History Logs: Records 60 Entries for In/Outbound Calls and Missed Calls.

Display

- LCD : 128x32 Black/White Graphic LCD
- Multi-Language Support : English, Korean, Czech, and Others

Power

- Power Adaptor: Output DC5V/1A, Input AC100–240V(50/60Hz)
- Power Consumption: 5Watts (Max)

Technical Spec

- Dimensions (Main body) : 220x160x61mm (WxHxL)
- Weight : 600g
- Color : Black / Beige
- Operating Temp : 0–45 ° c
- Storage Temp : -20–60 ° c
- Humidity : 10–85% (Non-Condensing)

RFCs supported

RFC2327	Session Description Protocol(SDP)
RFC2976	The SIP INFO Method
RFC3261	SIP: Session Initiation Protocol
RFC3262	Reliability of Provisional Responses in SIP
RFC3263	SIP : Locating SIP Servers
RFC3264	An Offer/Answer Model with SDP
RFC3265	SIP – Specific Event Notification
RFC3420	Internet Media Type message/sipfrag

IETF drafts supported

Draft-ietf-sipping-cc-transfer-01	SIP call control – Transfer
Draft-ietf-sip-replaces-02	The SIP Replaces Header
Draft-ietf-sip-session-timer-08	The SIP Session Timer