

STONEHENGE™ IX200

- Up to 100 users and 20 concurrent calls
- Embedded Asterisk® IP PBX, the perfect unified solution for SMEs
- Ensured PSTN backup service in any event
- Battery back-up & temperature sensing for safe operation
- Encompassed all of the basic PBX features & enhanced features



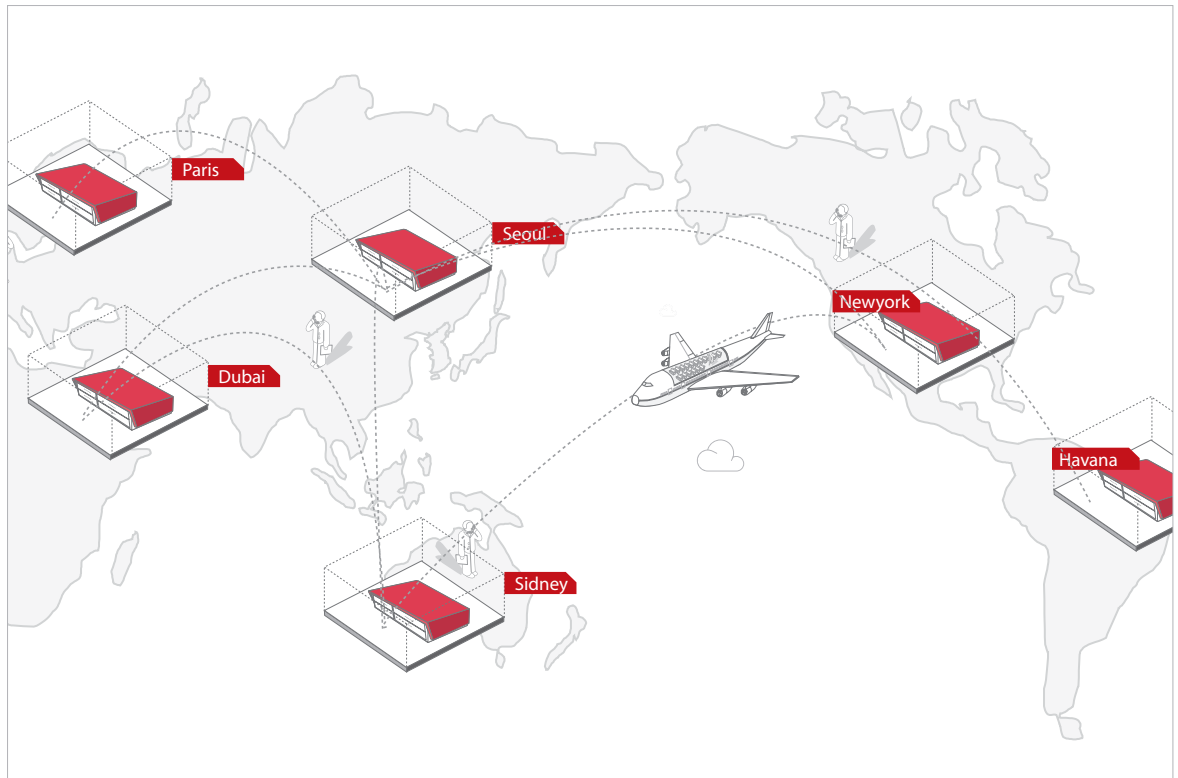
IP wired Communication

IP wireless Communication

SOHO IP PBX

Innovative-of-fit IP Key Telephone System for SME

Stonehenge™ IX 200 is an IP based Key Telephone System which is adapted the standard SIP2.0 (RFC3261) as VoIP protocol. As an embedded IP-PBX using Asterisk®, the IX200 is the next generation voice messaging solution for SMEs. This IP KTS also provides ensured PSTN back-up service in any event happened to VoIP network. Moreover, IX200 is applied battery back-up feature for safe system closing and fast system recovery time from unexpected events, and temperature sensing for cooling down the device temperature when the operating temperature goes up. Additionally, this device provides rich and broad calling features such as follow me, call parking, Voice mail to email, and so on at fraction of the price of legacy PBX.



IX200 is designed to continue using the existing TDM telephone system services, and the various converged data services. While this Key Telephone System works with any SIP compatible IP Phone, this is the ideal host for Stonehenge™ IP Phone series which are customized to optimize all of the Asterisk PBX features.

IX200 SPECIFICATIONS

Basic Call Service Related Features

- Call Forward
 - on Busy
 - on No Answer
 - Always
- Call blocking
- Call Waiting
- Incoming/Outgoing Call screening
- Call Transfer
 - Blind transfer
 - Attended transfer
- Call Pick-up
- Distinctive ringing /Group ringing
- Music on Hold
- Music on Transfer
- Do Not Disturb
- Call back
- Call Hold
- Conference
- Speed dial
- Redial
- Message Waiting Indication

General SIP Features

- 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 (RFC2833) or SIP info
- Hook flash signaling
- Visual Message Waiting Indicator

Voice and Codec

- CNG (Comfort Noise Generation)
- Echo cancellation (G.168, G.165)
- Codec Auto Negotiation
- Codecs
 - Narrow band - G.711μLaw/aLaw with PLC, G.723.1/A (pass through), G.726, G.729 A/AB/E, Broadvoice®16
 - Wide band - G.722.1, Broadvoice®32
- Echo Suppression (G.164)
- VAD(Voice Active Detector)
- Adaptive Jitter buffer
- Dynamic Payload Support
- Adjustable Audio Frames per packet

PBX Features

- Hunt Groups
- Conference Bridging and Access Control
- Voicemail System
 - Call Detail Records
 - Auto Attendant
 - Intercom
 - Find me/Follow me
 - Automatic/Manual redial
 - Call Parking and Call Retrieval
 - Caller ID
 - Wake-up call
 - Interactive Voice Response
 - Linear or Random Music Play
 - Web Interface for Voicemail
 - Checking
 - E-mail notification of Voicemail
 - Voice Message Forwarding
 - PC client programs for
 - SMS
 - IM & Presence
 - Click to dial
 - Phonebook (User/Group)
- Flexible Dial Plan with Inter-Digit Timers
- Versatile Management Features
- Web Based system configurations
- Remote diagnostics and software upgrade

IP Network Standards

- IPv4/IPv6 Dual Stack
- SNTP for clock synchronization
- IEEE802.1q for VLAN
- IEEE802.1p, diffserv for QoS
- SNTP(Simple Network Time Protocol)
- Static Network Address Assignment
- SMTP

Host CPU Interfaces

- 12 FXO ports to the Central Office (RJ11)
- 1 Ethernet 10/100base TX port (RJ45)
- Reset and factory default button
- 6 LEDs for system status indication

TA board Interfaces

- 2 or 4 FXO ports to the Central Office (RJ11)
- 5 LEDs for board status indication
- Loop start Line interface
- Caller ID support

Power Adaptor

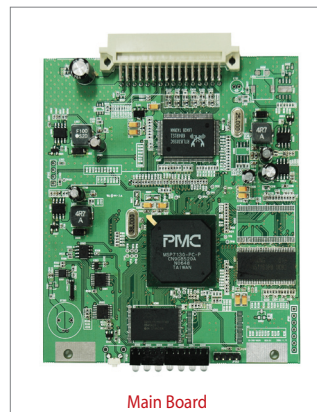
- Input 100 ~ 240VAC, 50~60Hz, 1.2A
- Output 12.0Vdc, 1.5A

Other technical Specifications

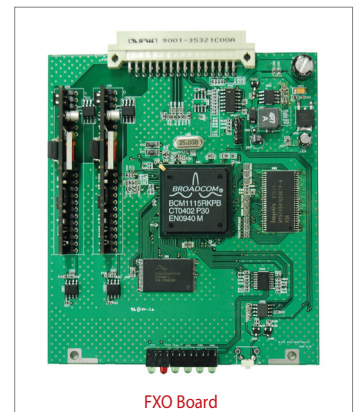
- Dimension: 55x291x221 (HxWxD)
- Weight: 4Kg
- Humidity: 5% ~ 90% Non-condensing
- Operating Temperature: 0 °C ~ 50 °C

IX200 Model Code

Model Code	Description
IX200-XBS-01A	IX200 IP PBX Base Station(/w Batter, Back Plane, FAN)
IX200-PCD-01A	Main Power Cord, 2.5m, Korean Style
IX200-ECA-01A	Ethernet Cable, Cat 5, 20m
IX200-DPA-01A	DC Power Adaptor
IX200-APU-01A	IX200 IP Key System Host
IX200-APM-01A	IX200 IP Key System Host Connector Board
IX200-DTA-01A	IX200 Dual Terminal Adaptor Board
IX200-DTM-01A	IX200 Dual Terminal Adaptor Connector Board
IX200-QTA-01A	IX200 Quad Terminal Adaptor Board
IX200-QTA-01A	IX200 Quad Terminal Adaptor Connector Board



Main Board



FXO Board