Brikerbox IPPBX

Overview

The Brikerbox Solution integrates phone calls via digital line module, becoming a feature-rich Private Branch Exchange (PBX) system that supports seamless communications between conventional phone lines, IP Phone, and other telecommunication devices, all features and functionalities that otherwise not available in conventional PBX. The interconnectivity enabled by Brikerbox provides users with the ability to call PSTN, GSM, CDMA or other IP extensions, through IP Phone, softphone or analog phone connected via Analog Telephone Adapter (ATA).

Brikerbox IPPBX is the next generation voice communication system for the small medium to large enterprises. Designed as an open, scalable and highly reliable telephony solution, the Brikerbox IPPBX System is effectively handle calls up to total 1000* concurrent calls. With the Brikerbox IPPBX System, standard SIP phones can be easily integrated in your office. You may integrate with all IP Phone, Video Phone and the Analog Telephone Adapter with protocol SIP and H323 to build up the VoIP network deployment in minutes.

Benefits

1. Save money on cables
With Brikerbox, telephones system can be operated over Ethernet cable, existing data cables can be used. Does not require a separate cabling.

2. Save money on capabilities
Simple device with great capabilities. Brikerbox got many things in one box. Integrated audio and video conference system, multi-layer Interactive Voice Response, call center, call recording, voicemail system, digital and analog phone technologies, and more.

3. Save money on telco bill
Brikerbox LCR will automatically route calls to a cheaper line. Brikerbox with LCR will save up to 60%. It also save money by security, caller authentication with PIN and call limit with prepaid and postpaid billing system.

4. Save money on maintenance
Easy maintenance and configuration for daily bases usage. Support Department can remotely maintain the system sales package.

5. Save money for the future
Now and Next Generation Network (NGN) ready. IP communication, Fax over IP, digitized fax documents, a bridge for multi-protocol, supports multi-vendor CPE.

* with hardware recommendation

IP PBX Brikerbox System Specification

IP PBX system
Features
- Support SIP and H323 simultaneously
- Support SIP TCP, UDP and TLS
- Support Secure RTP (SRTP)
- Support voice codec transcoding
- Support voice and video codec passtrough
- Multiple voice codec G711u, G711a, GSM, iLBC
- Multiple video codec H264 and H263
- In-band / RFC2833 / SIP-INFO DTMF translation
- Multiple trunks
- Unlimited DID trunks to extensions
- Support gateway trunk mode per trunk
- Support options keepalive
- NAT session keepalive
- Caller ID detection
- Trunk hunting and failover
- Support call hold and call waiting
- Support phone multi conference
- Voice calling and audio conference room
- Video calling and video 3 - way conference
- Support blind and attended transfer
- In-call call transfer
- Call forward unconditional, unavailable, busy
- Per calling number forward and rejection
- Blacklist of number patterns
- Call park and retrieve
- Remote extension registration via internet
- Direct line to extension (DID to extension)
- Direct line by called number (DID by number)
- Echo cancellation
- Flexible numbering plans
- Flexible dialing plans
- Application Programmable Interface (API)
- Disaster recovery
- High availability
- Call privilege grouping
- Configurable music on hold
- Multiple channels FAX server
- Support T.38 FAX
- Support T.30 FAX passthrough
- Fax forwarding to email
- Complete voicemail system
- Complete calendar system
- Hot forward
- Hot Desking
- Call center ready
- Multi Tenant Unit
- Call timer by extension
- Seamless integration with legacy PBX
- ACD (Automatic Call Distribution)
- LCR (Least Cost Routing)
- LCD (Least Cost Dialing)
- Billing system and CDR reports
- Voice recording and call monitor
- WebRTC ready

Interactive voice response
- Multilayer IVR
- Work time / holiday setting for different IVR
- Configurable greeting prompts
- Music on ringing extensions
- Forward to voice mail on no-answer
- Hot key to operator

Billing administration
Management and reporting
- Customers balance management
- Earnings calculation and markup / margin on report
- Export report to PDF and CSV
- Group top up balance (Debit/Credit)
- Group invoice
- Invoice to email
- Group call report by trunk
- Group call report by account
- Auto refill balance

Rate engine
- Least cost routing
- Least cost dialing management
- Prepaid and postpaid system
- Flat billing system
- Progressive billing system
- Expiry of rates
- Import rate cards
- Rate-card simulator
- Trunk / provider management
- Failover trunks
- Batch update for rates
- Calling packages management
- Call timer
- Group balance
- Simultaneous call

Server administration
System management
- Web based configuration with session control
- User and administrator configuration mode
- Reboot and shutdown from web based
- CLI (Command Line Interface) for configuration
- System event syslog

Network management
- Built-in Firewall
- DHCP service server
- DHCP client
- Static IP configuration
- Virtual Ethernet
- Virtual Private Network (VPN)
- VLAN configuration
- Static routing configuration
- NTP service server
- NTP client