



# HoduPBX

## IP PBX SOFTWARE

**TECHNICAL**  
SPECIFICATIONS

## PLATFORM FEATURES

- Multi-Tenant
- Unlimited Tenants\*
- Unlimited Extensions\*
- Multi-Lingual
- Multi-Currency Label
- Role Management
- User Management
- Vendor Management
- DID Management
- Gateway/Trunk Management
- Customer Management
- PhoneBook Management
- IPPhone Auto Provisioning
- Enterprise Speed Dialing
- Enterprise Blacklist & Whitelist
- Auto-Recording Feature
- Music on Hold (MOH) Configuration
- Easy to Configure Routing Rules
- Least Cost Routing (LCR)
- Time Conditions based Inbound
- Call Routing
- Weekoff and Holiday Routing
- Video Calling Support (H264, VP8)
- Advanced ACD with Recording
- Playback Extensions
- Ad-hoc Audio Conference
- Call Detail Record
- Web2Fax
- Phone Group
- Email Template
- Prompt List
- APIs for CRM Integration
- PIN based dialling
- 2-Factor authentication

- SSO (Google & Microsoft)
- DID Callback
- Manual & Automated Call Feedback

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## BILLING FEATURES

- Prepaid
- Postpaid
- Configurable Payment Terms
- Buy & Sell Call Rate
- Customizable Taxation
- Balance Management
- Extension Balance Plan
- Integrated Payment Gateway  
(PayPal, Stripe, CCAvenue)

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## WebRTC FEATURES

- Google Chrome Extension
- Audio
- Chat
- Video
- Extension Settings
- Presence
- Phonebook
- DND
- 3-Way Audio Conference
- Call Forwarding
- Visual Voicemail
- Click2Call

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## CALL FEATURES

- Video Calling Support (H264, VP8)
- Advanced ACD with Recording
- Playback Extensions
- Ad-hoc Audio Conference
- Multi-Level Interactive Voice

- Response (IVR)
- Fax to Email
- Email to Fax
- Queue
- Ring Groups
- Direct Inward System Access (DISA)
- Audio Conference
- DID Routing
- CID Routing
- Queue Callback
- No Line Forward
- Paging

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## EXTENSION FEATURES

- BLF & Presence
- Phonebook
- Blacklist
- Whitelist
- Recording
- Speed-dial
- Voicemail
- Caller-ID
- Caller-ID Blocking
- Do Not Disturb (DND)
- Intercom Dialing

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## CALL FORWARDING RULES

- Unconditional/ Universal
- Busy Forward
- No-Answer Forward
- Selective Forward
- Absent/Unavailable Forward
- Time-based Forward
- Shift based Forward
- Find Me / Follow Me

## APPS FEATURES (ANDROID/iOS/CHROME EXTENSION)

- ⦿ Audio
  - ⦿ Chat
  - ⦿ Video
  - ⦿ SMS
  - ⦿ QR Login (Mobile Apps)
  - ⦿ App to Fax
  - ⦿ Presence
  - ⦿ Phonebook
  - ⦿ DND
  - ⦿ Call Transfer
  - ⦿ Call Forwarding
  - ⦿ Visual Voicemail
  - ⦿ Visual Fax
  - ⦿ Extension Settings
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## REAL-TIME ANALYTICS & REPORTS

- ⦿ Admin Reports
  - ⦿ Tenant Reports
  - ⦿ Extension Reports
  - ⦿ Call Detail Report
  - ⦿ Call Charges Report
  - ⦿ Payment Recharge Report
  - ⦿ Monitoring
  - ⦿ Powerful Analytics
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## ARCHITECTURE DESIGN

- ⦿ Single Server Architecture
  - ⦿ Distributed Server Architecture
  - ⦿ Cluster Server Architecture
  - ⦿ High Availability Architecture
  - ⦿ Disaster Recovery Architecture
  - ⦿ High Availability + Disaster Recovery Architecture
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## CRM INTEGRATION

- ⦿ Zoho PhoneBridge Click2Call
  - ⦿ Salesforce WebPhone (Coming Soon)
  - ⦿ Zendesk WebPhone (Coming Soon)
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## ADD-ON FEATURES

- ⦿ Reseller Module
  - ⦿ Whitelabel Chrome Extension
  - ⦿ Whitelabel Mobile Apps (Android & iOS)
  - ⦿ Queue Pro
  - ⦿ SMS Module (Integrated with Twilio & Telnyx)
  - ⦿ SIP Trunking
  - ⦿ Voicemail Transcription (Require Google Account)
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## SECURITY FEATURES

- ⦿ IP Blacklist/Whitelist
  - ⦿ Blacklist/Whitelist Phone Numbers
  - ⦿ ACL List
  - ⦿ Access Restriction
  - ⦿ Password Policy
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## SOFTWARE SPECIFICATION

- ⦿ Product: HoduPBX
- ⦿ Model: Single Tenant (ST) / Multi-Tenant (MT)
- ⦿ Version: 5.X
- ⦿ Product: HoduPBX
- ⦿ Operating System: CentOS 7.X 64 bit
- ⦿ Web Server: Apache
- ⦿ Database Server: MariaDB
- ⦿ Call Engine: Freeswitch 1.6.20
- ⦿ Signaling Protocol: SIP (RFC3261)
- ⦿ Audio Codecs: G.711 A-law/U-law, G.722,
- ⦿ iLBC, GSM, OPUS
- ⦿ Video Codecs: VP8, H264

- ⦿ DTMF Method: RFC2833 and SIP Info
- ⦿ Encryption: TLS, HTTPS
- ⦿ Fraud Prevention: Fail2ban, Whitelist, Blacklist
- ⦿ Password Policy, IP based Access, Fraud Policy
- ⦿ with Notification/Action
- ⦿ SIP Endpoints: Unlimited\*
- ⦿ Concurrent Calls: Unlimited\*

## HARDWARE SPECIFICATION

### HoduPBX - IP PBX Software

Sr. No.	Features	Configuration	Configuration	Configuration	Configuration	Configuration
1	Number of Extensions	1000	2500	5000	7500	10000
2	Number of Simultaneous Calls	100	250	500	750	10000
3	Operating System	CentOS - 7 (Latest 64 bit)	CentOS - 7 (Latest 64 bit)	CentOS - 7 (Latest 64 bit)	CentOS - 7 (Latest 64 bit)	CentOS - 7 (Latest 64 bit)
4	CPU	Xeon Processor (2.5+) 4 Cores / Threads	Xeon Quad Core Processor (2.5+) 8 Cores/- Threads	Xeon Quad Core Processor (2.5+) 16 Cores/- Threads	Xeon Hexa Core Processor (2.5+) 24 Cores/- Threads	Xeon Quad Core Processor (2.5+) 32 Cores/- Threads
5	RAM	4 GB (Expandable upto 64)	8 GB (Expandable upto 64)	8/16 GB (Expandable upto 64)	16/32 GB (Expandable upto 64)	32/64 GB (Expandable upto 64)
6	Physical Local Disk Drive (SSD Only)	Root : 50 GB SSD Home : 100 GB SSD Considering maximum of 1000 hours of wav-mono file recording per day	Root : 50 GB SSD Home : 100 GB SSD Considering maximum of 1000 hours of wav-mono file recording per day	Root : 50 GB SSD Home : 100 GB SSD Considering maximum of 1000 hours of wav-mono file recording per day	Root : 50 GB SSD Home : 100 GB SSD Considering maximum of 1000 hours of wav-mono file recording per day	Root : 50 GB SSD Home : 100 GB SSD Considering maximum of 1000 hours of wav-mono file recording per day


## HoduPBX - IP PBX Software

Sr. No.	Features	Configuration	Configuration	Configuration	Configuration	Configuration
7	Local/Network Storage	Minimum 500 GB (Need to decide based on backup and storage requirement)  1 GB = 15 hours of wav-mono recording	Minimum 500 GB (Need to decide based on backup and storage requirement)  1 GB = 15 hours of wav-mono recording	Minimum 500 GB (Need to decide based on backup and storage requirement)  1 GB = 15 hours of wav-mono recording	Minimum 500 GB (Need to decide based on backup and storage requirement)  1 GB = 15 hours of wav-mono recording	Minimum 500 GB (Need to decide based on backup and storage requirement)  1 GB = 15 hours of wav-mono recording
8	RAID (Optional)	RAID 0, 1 or 10	RAID 0, 1 or 10	RAID 0, 1 or 10	RAID 0, 1 or 10	RAID 0, 1 or 10
9	Ethernet	Gigabit Ethernet Port	Gigabit Ethernet Port	Gigabit Ethernet Port	Gigabit Ethernet Port	Gigabit Ethernet Port

**HoduSoft**  
Redefine Communication

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