



MeeraApps SIP Phone

Product Datasheet

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Table of Contents

Right-click the TOC below in Word and pick "Update Field" > "Update entire table" to refresh page numbers after any edit.

Copyright and Legal	2
Table of Contents	3
Product Overview	4
At a Glance	4
Core Calling Features	4
Contacts and Call History	5
Presence and Notifications	5
Call Recording	5
SIP Protocol Support	5
Advanced Features	6
Audio Settings	6
Keyboard Shortcuts	6
Branding and Customisation	6
Inter-nationalisation	7
PBX Compatibility	7
Tested and Supported	7
System Requirements	7
Client Requirements	7
Network Ports	7
Deployment	7
Licensing	8
Administration	8
Reliability	8
Contact	9
MeeraApps Technology	9

Product Overview

MeeraApps SIP Phone is a modern desktop softphone for Windows, built with Electron. It delivers standards-based SIP calling with a clean, professional interface, complete call history, contact management, call recording, presence indicators, and enterprise-grade branding — everything a business user needs for professional voice communications from a PC.

At a Glance

Vendor	MeeraApps Technology
Product	MeeraApps SIP Phone
Current version	1.5.0 (August 2026)
Primary platform	Windows 10 / 11 (64-bit)
Also supported	macOS (in evaluation), Linux (in evaluation)
Technology	Electron, Node.js
License model	Per-seat perpetual license; 30-day free trial
Compatibility	Any standards-compliant SIP server — Mitel MiVB, MX-ONE, Mitel Border Gateway (MBG), and generic SIP
Core Calling Features	
Make & receive calls	Standard SIP calling with any compliant PBX
Hold / resume	Place calls on hold and resume at any time
Mute	One-click microphone mute during calls
Blind transfer	Transfer calls directly to another extension
Attended transfer	Supervised transfer with consultation
3-party conference	Local audio mixing for three-way calls
Call pickup	Pick up ringing calls from other extensions
Directed call pickup	Pick up a specific extension's call
DTMF in-call dialpad	Send tones during active calls (IVR navigation)
Redial	Quick redial with recent calls dropdown (10 entries)
Call duration timer	Real-time display during active calls

Contacts and Call History

Contact management	Create, edit, delete contacts with full-text search
Speed dial	Quick-access buttons for frequently called numbers
Call history	Full inbound / outbound / missed call log with search
One-click copy	Copy any number to clipboard
Feature code filtering	Filter call history to exclude feature codes

Presence and Notifications

BLF monitoring	Busy Lamp Field — see extension status in real time
MWI indicator	Message Waiting Indicator — voicemail notification
Windows notifications	Native OS notifications for incoming calls
System tray alerts	Balloon notifications when app is minimised
Tray icon status	Visual indicators for DND, Forwarding, Voicemail

Call Recording

One-click recording	Start / stop recording during any active call
Format	WAV — industry-standard audio
Auto file naming	YYYY-MM-DD_HH-MM-SS_IN/OUT_number.wav
Storage location	Documents / SIP Phone Recordings (configurable)
Admin control	Recording can be enabled or disabled per installation

SIP Protocol Support

Transports	TLS (port 5061), TCP, UDP (port 5060)
Authentication	SIP Digest Auth (401 and 407 responses)
Methods	REGISTER, INVITE, BYE, REFER, HOLD, NOTIFY
Session timer	Automatic re-INVITE refresh
DNS	SRV record support for PBX discovery
Codecs	G.711 (PCMA / PCMU) 8 kHz 64 kbps + G.722 wideband HD Voice (v1.4.0+)
Media encryption	SRTP with SDES key exchange (v1.5.0+)
RTP ports	10000–20000 (configurable)

NOTE G.722 (wideband HD Voice) shipped in v1.4.0. SRTP with SDES key exchange shipped in v1.5.0. Both are on by default when the far end negotiates them.

Advanced Features

Multiple SIP profiles	Network-based auto-switching (internal / external)
External line prefix	Auto-add prefix (e.g. "9") for outside calls
Min digits threshold	Distinguish extensions from external numbers
Feature access codes	DND, Call Forwarding toggles via configurable codes
Dynamic feature keys	Admin-configurable feature-code buttons on the main screen
Backup and restore	Export / import all data (JSON or XML)
Auto-start with Windows	Launch minimised to system tray
Sleep / wake handling	Auto-unregister on sleep, re-register on wake
Health check	Auto-reconnect every 30 seconds
Manual reconnect	Refresh button for on-demand reconnection

Audio Settings

Output device selection	Choose speakers or headset
Input device selection	Choose microphone
Microphone gain boost	Adjustable 1× to 5× amplification
Ringtone selection	6+ built-in ringtones with preview + custom upload
Codec priority	Dynamic codec negotiation order
Volume control	In-call slider for real-time adjustment

Keyboard Shortcuts

Arrow Up / Down	Volume control during calls
M	Mute / unmute microphone
H	Hold / resume call

Branding and Customisation

Application name	Custom name for the deployment
Logo	Custom logo on the home page and header
Favicon	Custom browser-tab icon
App icon	Custom taskbar, tray, and notification icon
Welcome screen	Custom avatar, title, subtitle
Theme colours	Primary, success, danger, warning colours
Colour scheme	Light, dark, or custom

Every visible surface of the SIP Phone can be white-labelled for a customer or partner deployment. Branding profiles are managed from the built-in admin panel and can be backed up / restored via the standard export.

Inter-nationalisation

The SIP Phone ships in 4 languages with full RTL support for Arabic. All UI elements, dialogs, help text, error messages, and localised date/time formats are translated.

Locale	Language	RTL
en	English	No
ar	Arabic	Yes
hi	Hindi	No
zh	Chinese (Simplified)	No

PBX Compatibility

Tested and Supported

- Mitel MiVoice Business (TLS, port 5061)
- Mitel MX-ONE (UDP, port 5060)
- Mitel Border Gateway (MBG)*
- Any standards-compliant SIP server or PBX

WARNING * MBG has documented limitations: no concurrent calls per endpoint, no supervised transfer or conference. Use the internal-network profile for the full feature set when the client is on the corporate LAN.

System Requirements

Client Requirements

Operating System	Windows 10 or later
CPU	Modern dual-core processor
Memory	256 MB minimum, 1 GB recommended
Audio	Microphone and speakers / headset required
Network	Access to SIP server / PBX

Network Ports

SIP	UDP / TCP 5060
SIP TLS	TLS 5061
Media (RTP)	UDP 10000–20000

Deployment

Installer type	Windows installer (.exe), per-machine, NSIS
Signing	Signed with the MeeraApps Certum EV certificate — no SmartScreen warnings
Admin required	Yes (per-machine installation)
Shortcuts	Desktop and Start Menu (auto-created)
Uninstall	Option to preserve or delete user data
Silent install	Supported for enterprise deployment (/S flag)
macOS installer	Deferred to future release (Windows-only through v1.10.x)

Licensing

License type	Per-seat perpetual license
Trial period	30-day free trial (auto-generated on first launch)
Validation	Offline only (RSA-SHA256, no internet required)
Hardware binding	Optional — lock license to specific machine
Software assurance	Annual renewal for update rights
Grace period	30 days after license expiration

Administration

A built-in admin panel with tabbed configuration:

Profiles	SIP profiles — server, port, credentials, codecs
Branding	Logo, colours, app name, welcome screen
Audio	Mic gain, ringtones, devices, recording toggle
Features	Feature keys, call recording enable / disable
Advanced	Auto-start, debug logging
Backup / Restore	Export / import complete configuration
Help	User guide, admin guide, troubleshooting

Reliability

Single instance lock	Prevents duplicate processes
Auto-reconnect	Reconnects after sleep / network change
Health monitoring	30-second connection health check
Call-safe failover	Defers profile switch during active calls
UDP retry	5-second timeout with automatic retry
Crash recovery	Auto-reload on renderer process crash

Contact

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