AT A GLANCE

Manage your business calls in one place

- **Stay reachable**
  Smartphone extensions and a web receptionist console.
- **Handle every call**
  Multi-level IVR, voice logging and conferencing.
- **Keep teams connected**
  Video calling, distributed offices and voicemail to email.
- **Connect your systems**
  PRI, SIP, analogue and GSM connectivity.
- **Call reports and setup**
  Call detail reports and web-based configuration.

NEXT-GENERATION BUSINESS TELEPHONY

Transform your business communication.

IP PBX

Handle office calls and connect your branches through one phone system.

***astTECS IP PBX** runs on the open-source Asterisk platform. It serves small businesses and larger organisations, supports compatible devices and can connect to existing telecom equipment.



***astTECS**
IP PBX appliance



TELEPHONY INFRASTRUCTURE

Business calls, all in one place

Connect your staff, phones and offices through one phone system.



PHONES AND EQUIPMENT



IP PBX

Manage business calls from one central system.

IP desk phones

Make and receive business calls on IP phones connected to your SIP extensions.



Connect your offices

Connect your office networks and phone system so staff can make calls across locations.

BUSINESS PHONE FEATURES

CALL HANDLING AND COLLABORATION

Tools for everyday business calls

Handle calls and connect staff through the tools and features below.

Smartphone extensions

Make and receive business calls on your smartphone using a compatible SIP app over your office Wi-Fi.

Web receptionist console

View PBX activity, handle calls and check service quality through the web receptionist console.

Multi-level IVR

Create up to nine menu levels and sub-levels. Add voice prompts in different languages, custom greetings and text-to-speech.

Voice logging

Record incoming and outgoing calls for quality checks and dispute resolution. Filter recordings by source, destination, time or duration.

Video calling

Make video calls to colleagues using compatible devices or cameras and a suitable network connection.

Audio conference calls

Host password-protected group calls. Talker optimisation helps reduce background noise from people who are not speaking.

Branch office connections

Connect branches on one phone system, with central administration and internal calls between locations.

Existing PBX integration

Connect compatible PBX equipment through an open-standards platform and extend the phone system you already have.

Third-party integrations

Link email, SMS, WhatsApp, Facebook, chat, CRM, PMS, HMS and ERP systems through supported integrations.

OPTIONAL AI

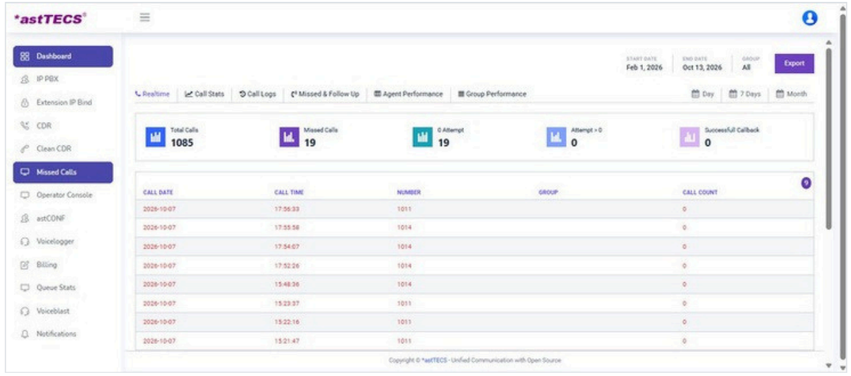
Voice commands for calling • Music menus • Birthday greetings • Voice-driven auto-receptionist
Conference transcription and summaries • Speaker announcements • Automatic routing and ticket generation

CALL REPORTS AND SYSTEM STATUS

THE SOFTWARE IN USE

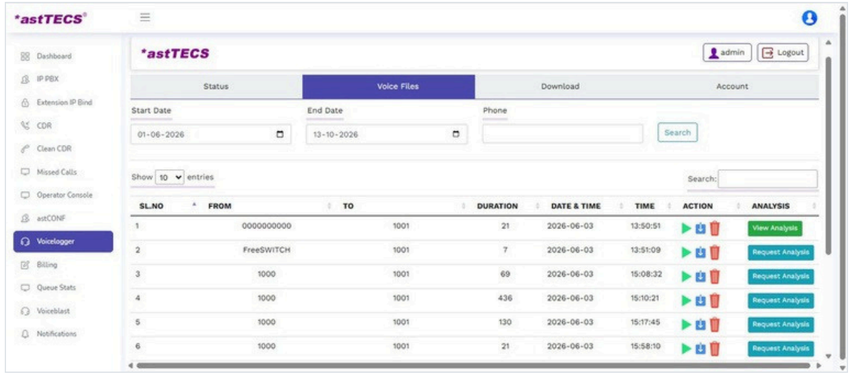
Your call activity at a glance

Review call records and check system activity through the web dashboard.



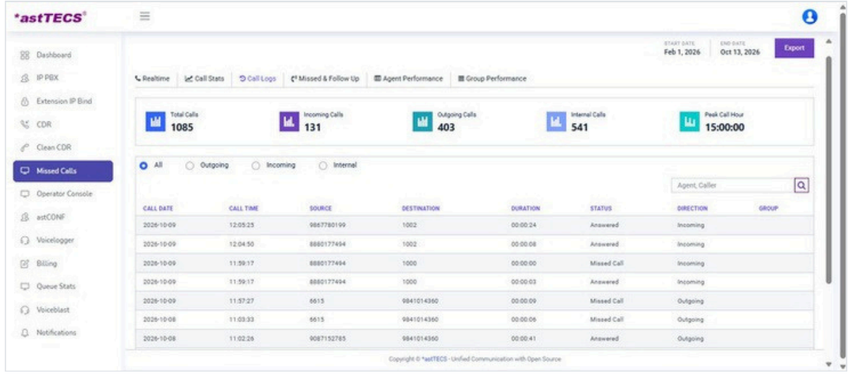
Missed calls

Review missed calls and track callback attempts.



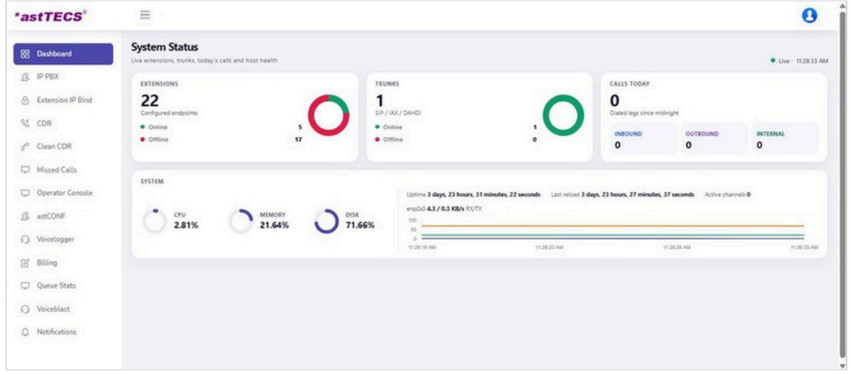
Call recordings

Find recordings by date or phone number.



Call history

View incoming, outgoing and internal call details.



System dashboard

Check extensions, trunks and system performance.

OPTIONAL AI

Voice commands for calling • Music menus • Birthday greetings • Voice-driven auto-receptionist
Conference transcription and summaries • Speaker announcements • Automatic routing and ticket generation

PHONE SYSTEMS FOR YOUR INDUSTRY

Connect your offices and staff

Healthcare	**Hotels & resorts**	**Financial institutions**	**Educational institutions**
SMEs	**Government**	**Real estate**	**Automotive**

FLEXIBLE CONNECTIVITY

- PRI / ISDN / E1
- SIP trunks
- PSTN via FXO gateway
- GSM via gateway

***astTECS**

IP PBX

Devices on your LAN or Wi-Fi

IP phones • Smartphones • Softphones

Video phones • DECT phones

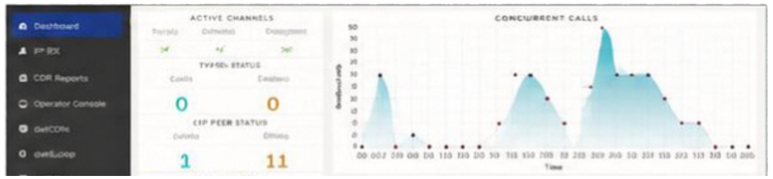
Analogue phones via an FXS gateway

PA systems • Door phones

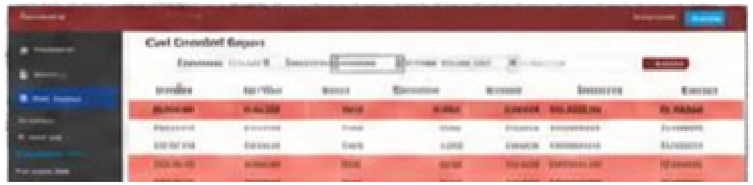
PCs and laptops

Available interfaces and gateways depend on your chosen setup.

REAL-TIME DASHBOARD



CALL DETAIL REPORTS

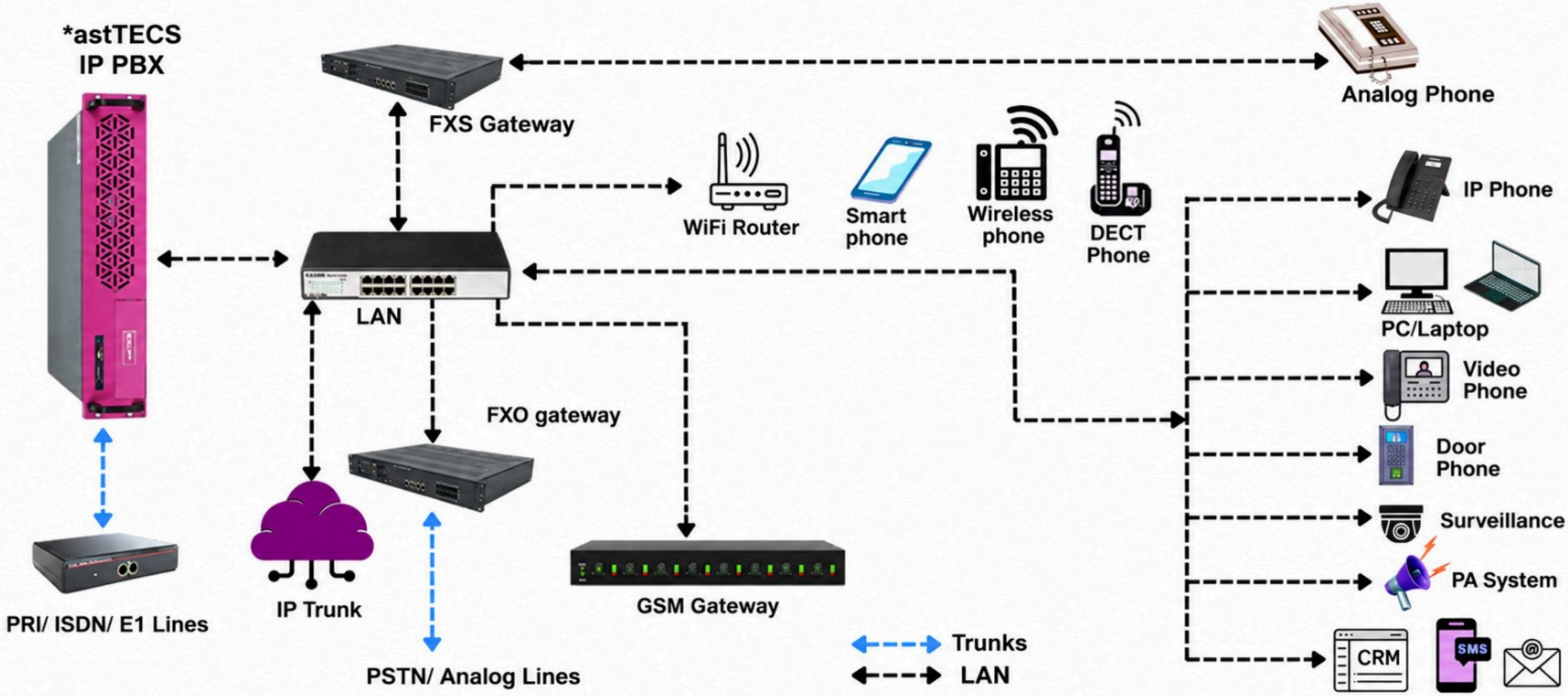


CALL MANAGEMENT

Tools for handling everyday calls.

- Authentication and blacklists
- Blind transfer
- Automatic callback
- Background music
- Configuration backups
- Call barge-in
- Follow-me call routing
- Direct inward system access (DISA)
- Ring groups
- Call forwarding when unanswered
- Call parking
- Call queuing
- Call retrieval
- Call routing
- Routing by caller ID
- Dial-in conferencing
- Database integration
- Roaming extensions
- Dial by name
- Directory listing
- Do not disturb
- Music on hold and during transfers
- Paging
- Support for remote offices
- Remote call pickup
- Conference bridging
- Date and time formats
- Call forwarding when busy
- Logical partitioning

CONNECTIVITY



CUSTOMISED SOLUTIONS FOR EVERY INDUSTRY



Healthcare



SMEs



Govt. Sector

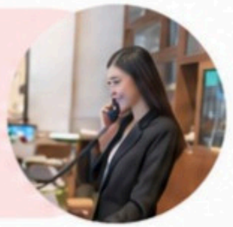


Real Estate



*astTECS IP PBX

Hotels / Resorts



Financial Institutes



Educational Institutes



Automobiles



MODEL OPTIONS

Choose a model for your business

Compare the capacities and connections available on each model.

Components	e25	e50	e100	e200	e300	e500	e1000*
FXO (analogue)	Optional	Optional	Optional	Optional	Optional	Optional	Optional
PRI (ISDN) ports	1	1	1	2	2	3	4
IP extensions (SIP)	**25**	**50**	**100**	**200**	**300**	**500**	**1,000**
FXS (analogue)	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Concurrent trunk calls	5	10	30	45	60	90	120
SIP trunks	5	10	30	45	60	90	120
Hosted solution	Supported	Supported	Supported	Supported	Supported	Supported	Supported
Web calling	Supported	Supported	Supported	Supported	Supported	Supported	Supported
VoIP services	Available	Available	Available	Available	Available	Available	Available

* e1000 can be upgraded to e5000. Analogue interfaces, PRI failover and storage options vary by configuration.

INTERFACES

Network: 2 × 10/100 Ethernet, RJ45
ISDN: optional PRI interface
Mobile: up to 32 GSM channels
One SIM per GSM channel

PROTOCOLS

VoIP: SIP, H.323 and IAX2
ISDN: PRI DSS1 (Q.931)
Mobile: GSM 850/1800/1900 MHz

AUDIO CODECS

ADPCM; G.711 (A-law / μ-law); G.722;
G.723.1 pass-through; G.726; G.729;
GSM; iLBC; Linear; LPC-10; Speex.
G.729 requires a commercial licence.

HARDWARE & OPERATION

PRI cards: T1/E1 with PCI interface
Chassis: 2U / 4U; 19-inch rack
4U power: 100-240 V AC, 200 W
Operating temperature: 0-50°C

Check hardware options and optional features with MGCL before placing an order.

Manufacturer technical reference

ABOUT US

ABOUT MIRALOYD

INTEGRATED TECHNOLOGY SOLUTIONS

Miraloyd Global Consult Limited is an integrated technology solutions provider that designs, deploys and supports communication, connectivity, software and IT infrastructure for businesses, institutions and public-sector organisations. Our work helps people communicate better, keeps offices and remote locations connected, supports the development of digital systems and strengthens the IT infrastructure behind everyday operations.

Services include unified communications, internet connectivity, software and digital solutions, cloud and data centre infrastructure, cybersecurity, backup and disaster recovery. We also provide managed IT services and technology consulting.

Communications is a core part of our work. Our services cover cloud and on-premises IP telephony, contact centre solutions, customer engagement platforms and mobile communications. We also provide IVR, voice services, AI-powered communication and collaboration tools.

We provide the networks and infrastructure that keep offices, staff and systems connected. We also develop and integrate software, digital tools and AI solutions to improve business processes and connect the systems an organisation uses.

COMMUNICATE
Unified Communications

CONNECT
Connectivity & Internet

BUILD
Software, Digital & AI

TRANSFORM
Cloud, Infrastructure & IT

MGCL
Miraloyd Global Consult Limited
Communicate. Connect. Build. Transform.

*astTECS®
Unified Communication with Open Source
ISO 9001:2015 CERTIFIED

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