



*astTECS FMC Gateway

The new workplace is anywhere

Fixed Mobile Convergence (FMC) solution from *astTECS help provide a seamless workplace for your enterprise's increasingly mobile workforce.

What is Fixed Mobile Convergence (FMC)?

Humans are mobile. We are always on the move and in the workplace it is no different. We no longer want to be deskbound yet we like to remain in touch. Companies which enable their people to work in this way are often more productive but this mobility comes at a price. The challenge is to allow people the freedom to move around while keeping costs down.

Thankfully there is a solution: FMC from *astTECS. You can drive down your costs by converging your fixed line and data networks using IP technology. However, this will leave you with a stand alone mobile network and the problems of managing a separate supplier with separate bills and SLAs as well as a disjointed user experience.



Features:

- Multiple channels behaving as one – wireless and wire line
- Integrates and exploits the advantages of two popular telecommunication networks – fixed and wireless
- Wireless - GSM, but also WiFi with integrated LCR
- Enables existing PBXes with FMC features
- Easy integration over a PRI or VoIP – SIP with existing PBX
- Voice Logger
- Parallel Ringing
- Single Voice Mail & Voice mail to email
- Instant conferencing
- Increase PBX capacity
- Centralised Cost Control and Tracking
- Interoperable with all digital PBXes

*astTECS Advantage

An open, vendor independent system that grows with your business.



Technology

The most obvious technological advantage of *astTECS is that it is purely ASTERISK. Asterisk is an open source communication platform which provides all of the features you would expect from a proprietary PBX and more at much affordable cost.

Asterisk remains pretty awesome technology, and we believe it remains one of the best hopes for any sort of sensible integration between telecom and whatever other technology you might wish to connect your telecom to.

Flexibility and Scalability

It is flexible to adopt and integrate with your existing telecom infrastructure. With Asterisk, no one is telling you how your phone system should work, or what technology you are limited to. If you want it, you can have it. Asterisk lovingly embraces the concept of standards compliance, while also enjoying the freedom to develop its own innovations

Features and Functionalities

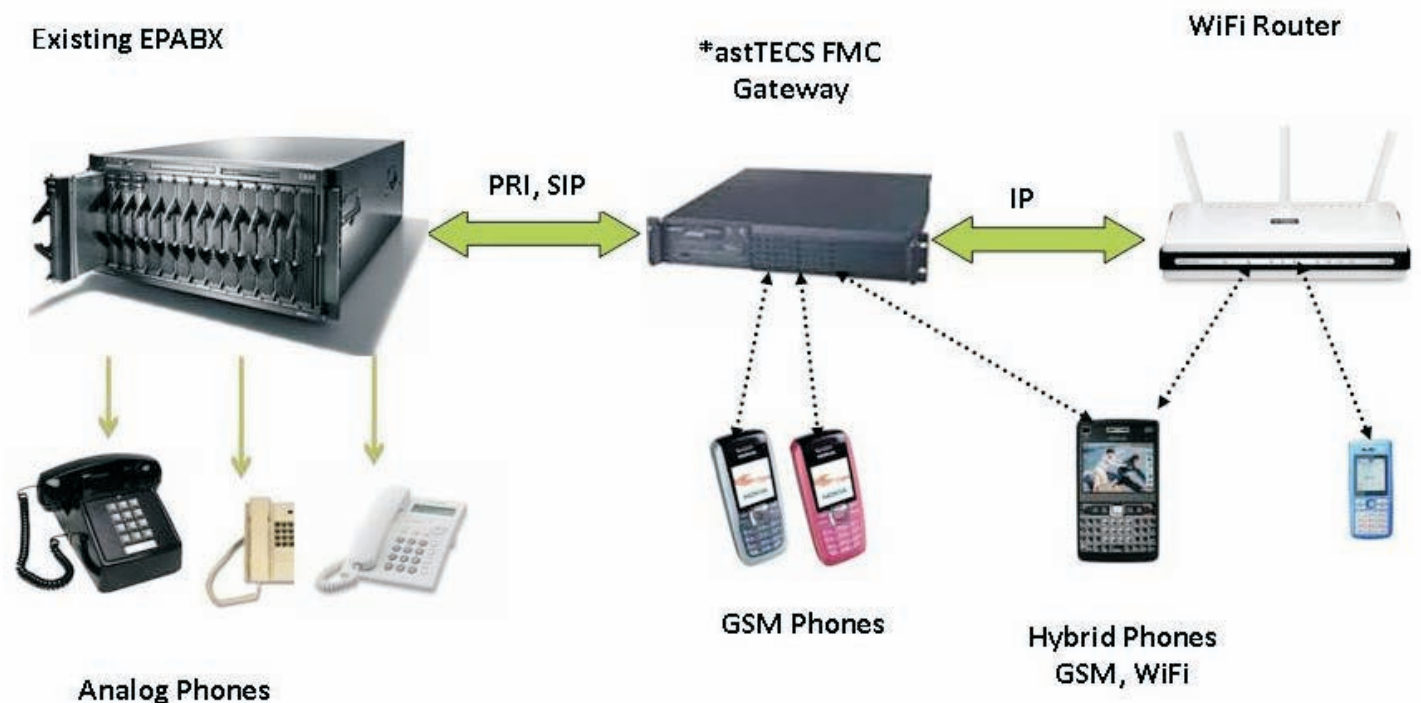
*astTECS FMC Gateway is packed with all the high end features that a proprietary PBX can offer you and much more than that they can dream off. With Asterisk as the platform you are limited to none. The standard compliance and open architecture allows *astTECS FMC to offer what business requires.

Integration

As *astTECS FMC Gateway is based on open standard it can integrate with any third party applications and product. You can choose from the line of products which is available in the market and you need not face any vendor lock in..!

Technical Support

Our Technical support team is trained professionals on all types of Asterisk applications, with troubleshooting experience ranging from basic dial plan construction to real-time configuration management. We believe in a Quality and efficiency driven services. We have 24/7 customer care support, striving to make the customers experience fruitful with us.



System Architecture: Integration With an Existing EPABX

Features – Explained:

Features	Explanation
Single Number Reach ability	Mobile device rings when business number is called
Single Number Identity	Called parties see user's enterprise number (CLID) when calling from mobile device
Single Voice Mail	User only need to manage a single voicemail for business calls
Access to corporate Directory	Directly access the corporate directory to quickly search contacts
Access to enterprise dial plan from cellular network	Directly dial PBX extension and utilize enterprise dial plan to save on long distance calls
Time-of-day routing	Users can create a schedule of when and where office calls will be routed
Handoff	<ul style="list-style-type: none">• Move active call from mobile to desk phone• Move active call from desk phone to mobile
Presence/ Instant messaging support	Users can view other contact's online status and send instant messages in real time, allowing employees to stay connected anytime, anywhere.
Instant Conferencing	<p>Invite a list of participants defined using a user interface on the client.</p> <p>Set up conference calls instantly from their mobile device without costly carrier hasted services.</p>
Mid Call Features	Using call hold, retrieve consultation call, transfer conference (Via DTMF) during the call
Wireless IP phones compatibility	These types of phones tend to be appropriate for workers who are mobile solely within the business site.
Simultaneous ringing service	The PBX rings both the mobile device and the desk phone. It routes the call the call to which on answers the call
Dial in call forward	Dial from mobile and activate/deactivate call forward for your mobile
LCR features	Call Through, Call reverse, Call back for maximizing cellular savings.
International mobile calling using VoIP	Dial international calls from mobile via PBX VoIP trunk
Hidden Roaming	By having the SIM in FMC gateway, you can keep receiving your call, SMS, voice mail and access it from anywhere in the world.
Web GUI interface for managing the FMC gateway	Easy web based administration facility to manage FMC features.
Vice mail to email	Option to send voice mail to individual emails.
Customizable voice prompts	Various voice prompts can be customized according to the need.
Voice Logger	Complete voice recording option with web based voice logger GUI.
Call Filtering	Users can create profiles that filters calls, minimize disruption, and ensure that the most important calls get through.



Product bundles:

- 1. ***ast FMC4** – With ***ast g4 GSM card**, Asterisk installed.
- 2. ***ast FMC8** – With ***ast g4 GSM card**, Asterisk installed

Technical Specifications

Interfaces:

Network Interface: 2X Ethernet
 10/100 base-RJ-45
 ISDN: PRI interface (optional)
 Mobile: ***ast g4 GSM Card**
 o 1 antenna/4 channels

Protocols:

VoIP: SIP, H.323, MGCP, SCCP, IAX2
 ISDN: PRI DSS 1 (Q931, National variant)
 Mobile: GSM 850/1800/1900
 Mhz channels

Codecs:

ADPCM, G.711(A-Law & u-Law, G.722, G.723.1(pass through), G.726, G.729 (through purchase of a commercial license), GSM, iLBC, Linear, LPC-10 Speex

PRI card: T1/E1 port with optimum PCI interface.

Dimensions: 2U Form factor chasis.

Size: 4U: 483x177x450 mm

Mounting: 19" Rack

Power: 800 MA peak, operational 300 MA max at +3.3 V

4U – 100-240 VAC , 200 W

Temperature range: 0–50°C

Corporate Office:

iTECS Communications Pvt. Ltd.,
 No. 1176, 1st Floor, 12th B Main,
 HAL II Stage, Indiranagar, s
 Bangalore, Karnataka,
 India - 560008.
 Mobile: + 91 9886879412
 Land-lines: 080 – 42425000
 sales@asttecs.com

Branch Offices:

Sales Manager – Eurpoe
Uemit Uenel
 Mommsen str.20,
 Berlin 10629, Germany.
 Phone: +49 (0) 178 8354400
 E-mail Id : u.uenel@asttecs.com

Represented:

- India**
 Mumbai Trichy
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