

AARENET FIXED MOBILE CONVERGENCE APPLICATIONS

FMC applications change fixed telephone line into a reliable location independent voice solution. The applications are fully integrated into the Aarenet VoIP System to ensure mobility and extended usage of the voice services.



Aarenet offers two different solutions to support FMC functionality. "an IP-Phone" is a mobile VoIP Client for Android and iOS Smartphones. Extended customisation and personalisation of the Client (carrier or customer related) can be defined. This comfortable VoIP Client integrates into the Aarenet VoIP System with call and comfort features. The Client optionally offers extended comfort (video call) and business features (call hold, call transfer, 3 party conference). Call encryption for all calls can be activated at an additional cost and sub-branding is possible. To cover advanced requirements, "an MC-Phone" may be used. This is a full professional FMC client/server solution with dedicated hardware for call flow handling and encryption, fully integrated into the Aarenet VoIP System. "an MC-Phone" offers call quality supervision and will select the best network to ensure the highest audio quality.

CUSTOMISATION

Aarenet FMC Clients can be personalised and a dedicated app can be made available on Apple app store and Google Play Store. "an IP-Phone" supports multiple sub brand applications (especially for reselling purposes). These sub brand applications can also be customised (features and design) in order to tailor the appearance in line with the corporate design of the provider.

PRICING

"an IP-Phone" pricing is based on a one off pricing and a monthly recurring charge for the provisioning and use of the portal. The activation of specific features may attract additional cost. Any cost associated with the design preparation for the customisation will need to be covered by the carrier. Per user cost for usage and features is offered for sub brands.

"an MC-Phone" includes a dedicated bespoke hardware platform and a high level of integration. The value-add that the system monitors and ensures the best audio quality possible justifies the additional investment in the voice solution.

Below table shows a pricing example including full customisation for "an IP-Phone". The initial license pricing for "an MC-Phone" is spread over 24 months to enable easy comparison. Pricing is indicative only and cannot be used for tailored customer offering.

AN IP-PHONE



		App store availability	Customisation app / store	Licences	One Off	Monthly Recurring
an-IP Phone 	Client Activation	Y		unl.	8'800	500 /unlimited
	Customisation		Y/Y		4'320	
an-MC Phone 	Client Activation	Y		1000	23'900	2'600
	Customisation		N/Y		5'000	

an IP-Phone sub-brand pricing upon request

**Fixed to Mobile
Convergence solution with mid-call network handover.**

Aarenet FMC solutions incorporate seamless handover from the WiFi local network to the provider GSM network (EDGE, GSM or LTE) in case of missing or failing coverage. This means complete location independency even during an active call.

Active calls are continued on the public network and are automatically passed back to a known WiFi network if the subsequent access point is detected again.

Active connections can be continued without the need to redial the number or any complicated call back procedure. The handover and the activation of the active network is handled and monitored by the device without the need for any intervention.



SYSTEM FEATURES		
Aarenet VoIP system integration	S	S
Multiple Codec Support	S	S
G.711a/G.711u/G.722/iLBC/Opus/AMR/GSM-FR	S/S/S/S/S/-/S	S/S/-/S/-/S/-
Video Codecs support VP8/H.263/H.264	S/S/IOS only	-/-/-
Encryption over WLAN/data	O/c	S
Call Overflow if offline	S	S
Mid Call Handover	S	S
Voice over GSM if no data	-	S
Background Operation	S	S
PUSH message activation	O/c	-
USER FEATURES		
Voice Mail	S	S
Business Features (hold, conf, transfer)	O/c	S
Video Call	O/c	-
Instant Messages	O/c	S
Presence Information	-	S
Number rewriting	S	-
Voice Mail Notification	S	S
Multiple SIM card support	-	S
Call Back functionality	-	S
Calling Party Name display	-	S
Access to native phone book	S	S
PROVISIONING AND ADMIN		
QR Code provisioning	S	-
One Time Key secure provisioning	S	-
Access to Web Admin	S	-
PERSONALISATION		
Basic customisation	-	O/c
Detailed customisation	O/c	-
App stores upload full service	S	-
IOS app	S	S
Android	S	S
Blackberry app	-	O
Whitelabel support of Subbrands	S	-

S: Standard; O: Optional; O/c: chargeable option; -: not applicable

Specific features may depend on the operating system deployed and the software version used. Some operators do not allow VoIP calls over data connections.

The Aarenet VoIP System is a Carrier VoIP Platform and provides telephony services that are unique in extent and quality for its price range. Modular design allows optimised adaptation to individual customer needs. It is the key element for telephony services in a modern NGN environment.
"an IP-Phone" and "an MC-Phone" are protected trademarks.