

# EVIDEN

## Lifelink MCx IWF Interworking function



an atos business

# Lifelink MCx IWF

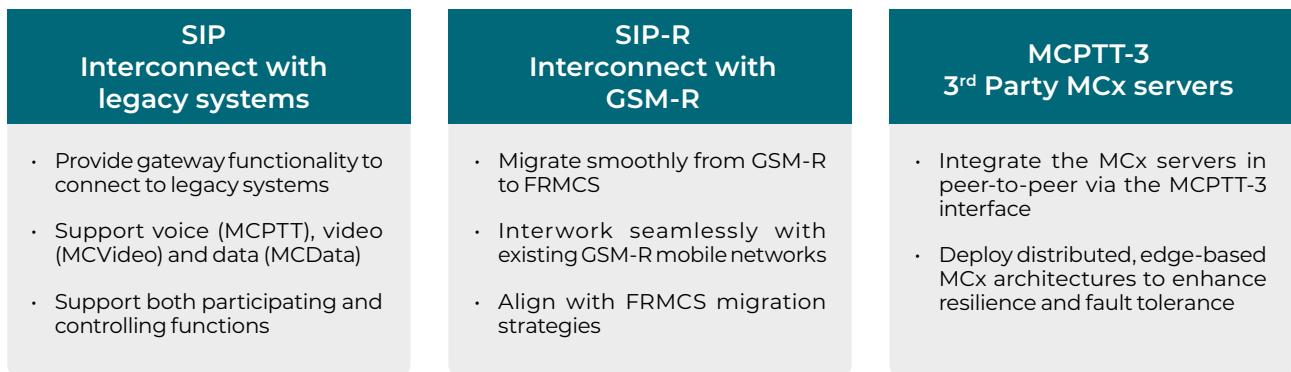
Eviden's interworking function enables seamless integration between legacy communication systems such as GSM-R, TETRA or PABX and modern broadband mission-critical MCx systems. Typical use case scenarios can be found in industries like transportation, public safety, ports and utilities.

## Standards compliance

Lifelink MCx IWF is a **standards-based solution**, developed in alignment with international specifications (3GPP, ETSI, FRMCS) and validated through plug tests.

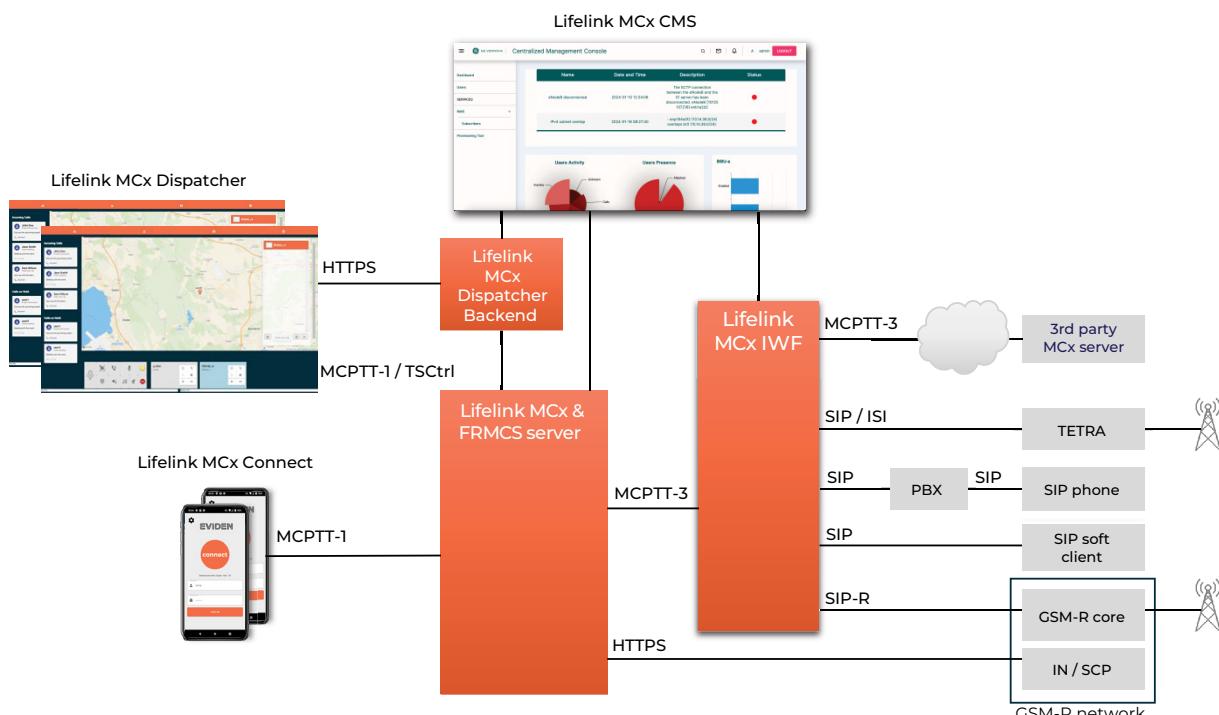
## Core capabilities

The interworking function comes in different flavours to address specific needs:



## Main Benefits

- Secure migration from legacy to broadband systems
- Future-ready architecture for mission-critical communication
- Interoperability across systems and vendors
- High resilience via distributed MCx server architecture
- Vendor-independent integration for greater flexibility



Features	Supported
► <b>3GPP Release 18 support</b>	
MCPTT service MCDATA service MCVideo service	✓ ✓ ✓
► <b>IWF specific standards</b>	
FRMCS System Requirements Spec AT-7800 v2.1.0  ETSI TS 103 792  3GPP TR 23.782	Defines the FS (FRMCS System) IWF reference point between an FRMCS system and an EIRENE (GSM-R-based) system  Specifies the interface and behaviour of IWF systems connecting FRMCS with GSM-R networks  IWF between MCx and legacy PMR systems
► <b>Call capabilities</b>	
Point-to-Point calls  Group call handling including prearranged call  Advanced call features	✓ ✓ • Call forwarding • Call transfer • Call hold
► <b>Transcoding</b>	
Audio codec conversion	MCx AMR-WB to G.711, G.722
► <b>Deployment options</b>	
High-availability architecture  Containerized deployment  Flexible integration	✓ Docker / Kubernetes-ready • Standalone mode for interworking with 3rd party MCx backend systems • Fully integrated within Eviden's Lifelink MCx Connect framework
► <b>User interface</b>	
CMS integration	Fully integrated within Eviden's Lifelink Centralized Management System (CMS)
► <b>FRMCS-specific features</b>	
FRMCS / SIP-R communication  Protocol translation  Mapping  Interworking  Location	Voice and data communication between FRMCS ↔ SIP-R networks  SIP-R ↔ SIP  Functional numbering ↔ Functional aliases  Support for location-dependent addressing (LDA)  GPS location information and SCP/IN location information

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