

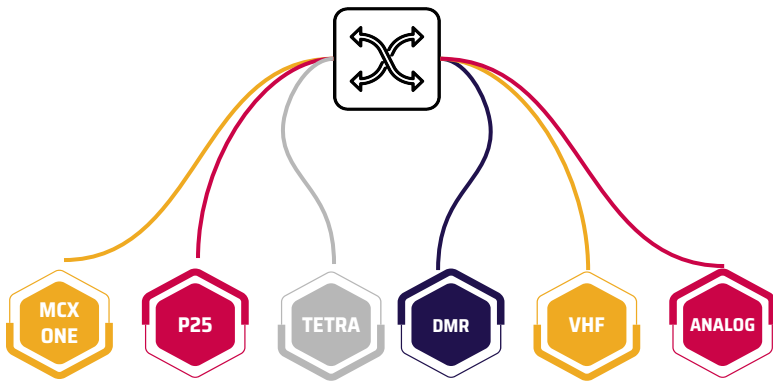
MCX ONE IWF

MCX ONE INTERWORKING GATEWAY



TRANSPORTATION SOLUTIONS

Modern, reliable and intelligent radio solution platform for rolling stock applications built on proven and popular TETRA & LTE Standard.



FEATURES



Seamless Integration

Integration between broadband (MCx) and narrowband networks (TETRA, DMR, other LMR Networks)



Voice and Data

Integrated across multiple technology for Voice and Data communication



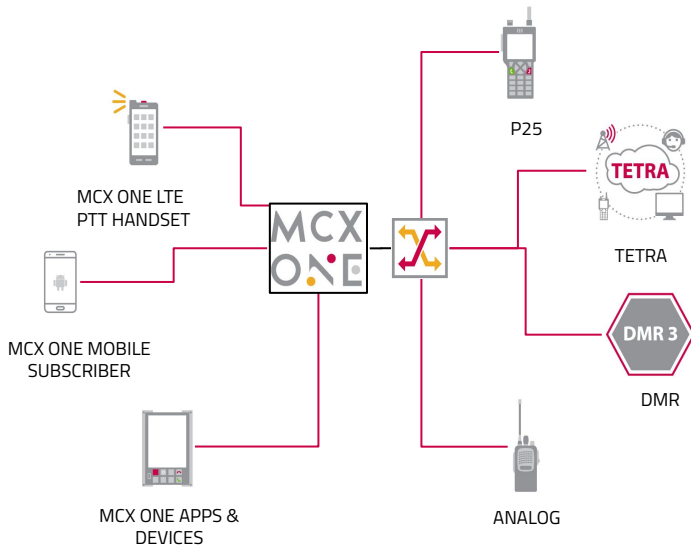
Backward Compatibility

Allows use of existing LMR user Devices



Flexibility

Flexibility of deployment for varied customer requirement



MCX ONE Interworking Gateway provides standards based interoperability between LMR and MCx systems. It allows easy transition from legacy to modern technology with ease of deployment. The interworking gateway consists of all the required functionalities for the integration of voice and data services between MCx and narrowband land mobile radio (LMR) systems.

MCx interoperability with narrowband LMR systems is done through a standard based feature called the Interworking Function. It facilitates flexibility in the entire network by allowing the users to interconnect two incompatible LMR systems. The gateway is easy to use and expand as it provides high scalability to the users.

BENEFITS

- Provides smooth migration by providing seamless integration between narrowband and broadband networks.
- Provides service continuity to existing LMR network users and ease of upgradation from LMR networks to MCx allowing LMR devices to co-exist with MCX ONE
- Provides transition to global standard based solution and custom integration with upgradability to future global standards (when available)
- Easily manages prioritization between systems for effective communication
- Flexibility in deployment and scalability as per user requirement

HOW DOES IT WORKS?

IWF is the integration gateway between an MCPTT or MCDData system and an LMR system. In MCPTT systems, the identity of an LMR user is provided as an MCPTT ID, and the identity of an LMR group is provided as an MCPTT group ID, which can be used by the IWF to derive the corresponding identities used in an LMR system.

Similarly, in MCDData systems, the identity of an LMR user is provided as an MCDData ID, and the identity of an LMR group is provided as an MCDData group ID, which can be used by the IWF to derive the corresponding identities used in an LMR system.

FEATURES

Types of Calls

Group Calls, Individual Calls, Half-Duplex Calls, Full Duplex Calls, Emergency Calls, Broadcast Calls and DGNA Calls

Other Features

SDS, Group Affiliation, Call Merge, Late Entry and Location Services