MCX ONE

ENTERPRISE SERVER

Modern | Reliable | Flexible

- 3GPP MCX standard compliant
- Interoperable with legacy LMR systems
- MCX Application Services
- Cloud Native Architecture
- Scalable and Fault Tolerant
- COTS Server Hardware
- 5G Ready

Backbone for MCServices

MCX ONE CORE - ENTERPRISE is specially MCX Application Service designed to meet big business and mission critical needs.It provides great coverage over a large geographical area like airports, ports and widely spread industries.It can be easily deployed , configured and maintained on the premises itself .The data and confidential information remains protected on your premises.
MCX ONE CORE consists of the following services :

Identity Management Server (IDMS)
- Manages authorisation and authentication for enhanced security purposes.
- Provides secure access to resources such as data, systems and cloud platforms

Configurations Management Server (CMS)
- Manages a consistent state of the servers and systems
- Provides centralised functionality to configure all the servers as well as other network elements.
- Makes the system robust and reliable all the time.

Group Management Server (GMS)
- This entity provides for management of groups supported within the vertical application layer

Key Management Server (KMS)
- Provides an additional level of security by storing authentication keys separate from the storage system

Network Management Server (NMS)
- Provides the system administration, operation and maintenance. It helps system administrators to perform configuration, network monitoring, and network performance data collection.

Fleet Management Server
- Provides fleet and operations staff with specialized monitoring and tracking tools, grants them the ability to trace and record the movements of their mobile assets and workforce, store accurate GPS data and keep voice and data recordings in history for a long time.

Performance Management Services (PMS)
- Analyses the performance of various subsystems of the MCX ONE server and allow statistical reporting using Usage Detail Records (UDRs) to gauge services are being for capacity planning.

Backup and Restore Services
- Stores data, configurations and preferences of allsubscriber applications regularly, which ensures backup of all configurations is maintained and can be retrieved in the case of change of hardware devices for any subscriber.

Interoperability & Security
- Manual Key loading of AES-256 to match with Keys of LMR technologies systems like DMR and P25 for future integrations

Location Management Services (LMS)
- Receives and store user location information for Geo-fencing , Geo-tracking, indoor localization among others.

Mode of Operation
- Media/Participation Controlling Mode available

MCX Features
- MCAudio , MCData and MCVideo s as per Release 15

www.consortdigital.com