UNIVERSAL-MIDDLE-WARE UMW8020
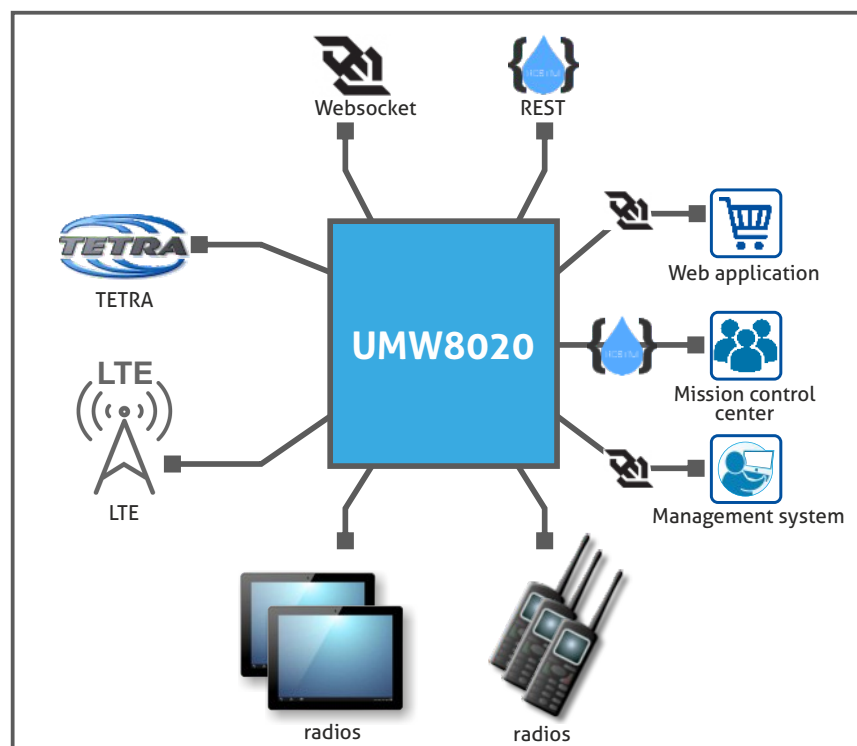
Easy integration of TETRA infrastructure
UMW8020 is a web-based software solution for the easy connection of a TETRA infrastructure to an operation control centre, a management system or web and other applications via standardized interfaces.

What is the advantage of using UMW8020?
You want to use TETRA services such as voice calls, SDS, CallOut, RMS, GPS and others in a simple and secure way? UMW8020 opens the doors to the TETRA world.
You can, for example, send text messages to a single subscriber or an entire group from the interface of your own application. The UMW8020 uses standardized platform-independent web services - allowing you to save time and other resources. The UMW8020's Websocket and REST interfaces ensure a fast implementation of TETRA services.
This means that you can utilize your TetraFlex® system (www.dammcellular.com) and use the different services without having to tackle the details of the API (Application Protocol Interface).

Applications
Alert your employees from your management system quickly and reliably during critical deployment scenarios.
Display the exact position of your employees in order to be able to optimally control an emergency operation.
Use your web application to always have an overview of the status of your resources and their current talk group.
Remote control your radios to switch them all into the same talk group for an announcement. This way, you can always reach all of your subscribers.
Start single and group calls directly from your own application on your PC.

Multi-client capable
Use the TETRA radio system with several applications and create a user with individual user rights for each application. Transport messages from radio subscribers directly to the application for which they are intended.

Websocket and REST
Both are widely used and standardized interfaces. Use the knowledge and skills you already have instead of having to put time and money into learning the operation of the TetraFlex® API.

Market
Public & private security, network operators, logistics, industry

Scope
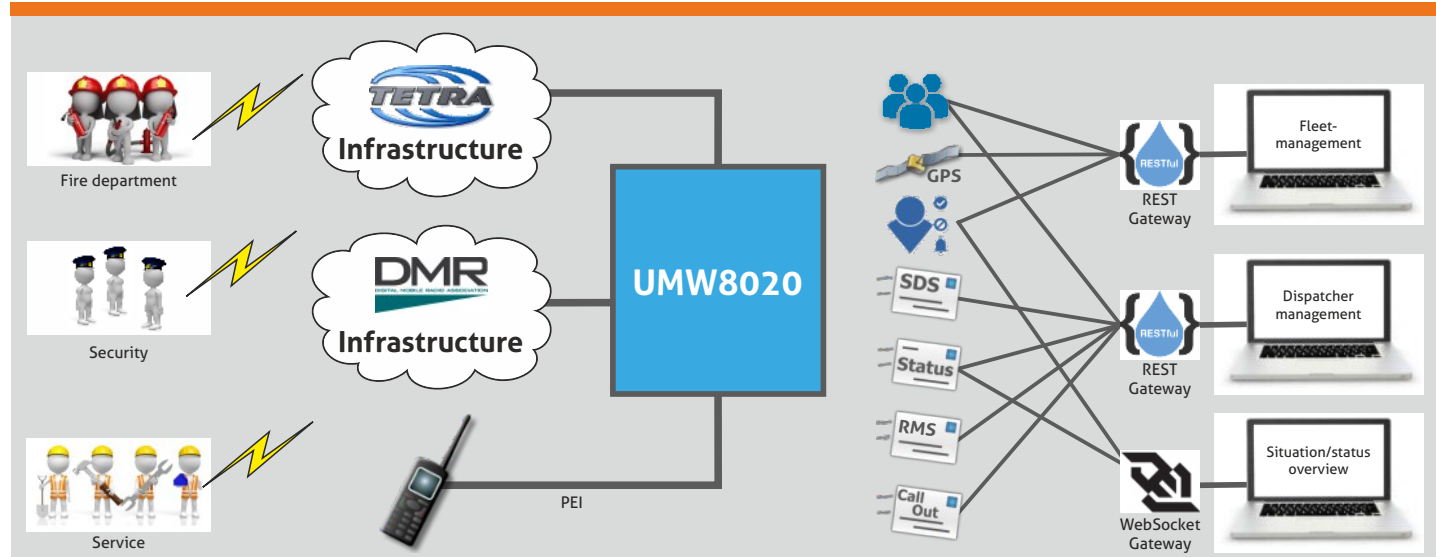Europe

Languages
German, English

fig. System sketch UMW8020

FEATURES

Versatile
- Send SDS, CallOut, RMS...
- Single calls and group calls
- Organisation into virtual groups
- Request status/information
- Request position
- Control position requests

Easy to implement
- Websocket and REST are widely known and standardized
- The UMW8020 is easy to control and integrate into your system
- Programming examples help with the programming

Multi-client capable
- User management with rights management
- Different applications can log in as different users
- Users are created and managed in the UMW8020

Compability
- LTS9040 (ATS)

Coming soon
- Motorola MOTOTRBO™
- Motorola DIMETRA
- LTE Campus
- LS2 control centre connection BOS

SYSTEM FEATURES

System requirements
- TetraFlex or radio PEI interface
- Third party application for operating the UMW8020

A computer or virtual machine with at least:
- Windwos operating system Windows 7 or higher

- DualCore CPU 2 Ghz
- 8 GB RAM
- 250 GB RAM
- GBit LAN
- USB (for the hardware licence dongle)
- RS232 (depending on the connection to the infrastructure)

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