

Wenzel-MACS IP-Dispatcher System



The Wenzel-MACS IP-Dispatcher system is an **integrated telecommunication solution**, especially for the operational requirements of railway traffic and local public transport. It can be used in train control centres or operation centres and allows for all communication services, such as traditional or SIP telephony, public address, emergency call and radio.

In addition to the support of the mobile radio **GSM-R** the system can also integrate **TETRA** (TErrestrial Trunked RAdio) into the operational communication. The dispatchers can be connected via the **IP network** at any point in the facilities.

The Wenzel-MACS IP-Dispatcher system offers a **High Availability** concept. In order to ensure the clean operation of all services in case of failure, the active system starts an automatic switchover and data mirroring of all productive data to a standby system as well as the redundant data storage using software RAID on multiple hard disks. It can be set up as a georedundant system splitted between two locations.

Flexible voice recording functions and a multi-level alarm and fault management meet the **high safety requirements** of a modern communication system.



The unified operating procedures of the WM-GUI interface and the ergonomic design of the Wenzel MACS IP-Dispatcher ensure **comfortable and clean operation** even in critical situations. For example, the topographically designed view of the destinations for announcement and the displayed line status via traffic light symbols offer visual support to the operator.

The dispatcher, based on a fanless, energy-saving Linux PC, is combined with a touch screen and the multifunctional audio device MFAD with microphone in different variants.

Administration and configuration are possible using the central OMC configuration server.

With configurable profiles for terminals and operators, the dispatcher can be designed **flexibly** and is adaptable to local requirements. A role management supports the use of a role on multiple dispatchers during intensive operational periods. Here, a dispatcher can also serve different roles.

Furthermore, incoming calls may be blocked via a multi-level priority matrix. Active calls can be pre-empted, for example, for an incoming emergency call. Priorities can also be set for announcements. These priorities control the output or pre-emption of announcements in combination with the local busy status.

Features

- Integrated telecommunication solution for all communication services
- Traditional and SIP telephony
- Integration of GSM-R and TETRA
- HA ready central-site
- Multi-level alarm and fault management
- Ergonomically designed dispatcher with unified operating procedures
- Role management
- Call priorities and pre-emption
- Topographical view
- Send messages via SMS
- Announcements via Text-to-Speech

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