

RAR4000 - Managed Train-to-Ground Kommunikation

The RAR4000 platform provides OEM-independent fleet connectivity and controlled remote access. It is ideally suited as a managed communication layer for retrofitting key systems such as TCMS, traction batteries, HVAC, infotainment and other onboard systems. The platform supports diagnostics and remote control, data uploads and downloads, as well as local edge computing on the vehicle - for example, for event management, pattern recognition or data aggregation. Its key strengths are its reliability and robustness at both hardware and software level, together with a real-time architecture that allows extremely flexible configuration of triggers and actions. Role-based access rights for different subsystems and complete documentation of every access operation reduce the operator's workload. The functionality of the RAR4000 devices can be extended using modular components.



TECHNICAL FEATURES

- Hardware compliant for rail and bus
- Certified secure connection with role and user management - Restriction of authorised users to specific subsystems
- Position and time data via GNSS
- Mobile router functionality
- Integrated managed Ethernet switch with port isolation
- Expandable with multiple modems or memory cards
- Optional Wi-Fi, including 802.11s mesh networking
- Cloud-based or on-premises operation

TYPICAL APPLICATIONS

- Fleet Management with an overview of all vehicles
- Remote access node
- Connection to cameras and edge systems
- Log file preprocessing and data transfer
- Depot and workshop access
- Position and time synchronization

Receive technical support from our engineers for consulting and integration

YOUR BENEFITS

Faster and more cost-effective service operations
Identify and resolve faults quickly without lengthy journeys to the vehicle

Secure and controlled access
Maximum security and compliance with applicable security regulations

Easy to retrofit
Ideal for existing vehicle fleets

Centralised access management
Keep everything under control from one central location

Contact us for more information:
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