



MMG200

DEVICES FOR MOBILE MACHINES

Purpose The MMG200 is a high-performance, multi-tasking device designed to serve as an communication and IT device for intelligent integration of mobile equipment into digitalized working environments. It performs IT level on board tasks e.g. for navigation, data concentration, black boxes or to optimize machine service. The MMG may be the secure bridge from the machine into the network and for remote service.

- Characteristics**
- Rugged to withstand harsh working environments on mobile machines
 - Two independent WLAN interfaces
 - 4 core CPU with 4GB DDR3 RAM with passive cooling
 - Huge space for data storage – up to 128GB
 - Integrated battery to withstand machine power failures
 - Standardized off board communication interfaces
 - Special versions and OEM branding on request
 - Customized application software and system integration services optionally available

- Technical specification**
- 64-bit quad-core CPU
 - 4GB DDR3-1333 DRAM
 - Storage: 8GB standard, up to 128GB
 - Communication:
 - 2x IEEE802.11 b/g/n WiFi, Client or AP Mode, up to 4 antenna ports
 - 2x Gbit Ethernet
 - 1x CANBUS ISO 11898
 - Linux operating system
 - 24V Power Supply, 35W max
 - -10 ÷ 50°C operating temperature, IP67
 - M12 rugged connectors for heavy duty applications

Applications

All kinds of mobile machines, especially in harsh environmental conditions like construction and mining equipment, vehicles in steel and raw material handling and outdoor computing applications.

Computation and storage centre for mobile machinery

- High processing power allows to run complex algorithms for eg. localization, navigation and positioning
- Up to 128GB of memory allows to keep all logged and processed data from machine
- Standard Linux interfaces allow easy integration of user programs and algorithms

Access point for mobile machinery

- Secure, remote access to network automation drivers via VPN
- Remote programming and monitoring of machine status
- Remote control of the machine
- Remote access to the CAN bus of the machine

Data logger (black box) for Mining Machines and Mobile Equipment

- Data acquisition from machine engine, sensors and automation (via CAN bus)
- Advanced data processing may be fully managed by configuration files
- Send files and reports to the server automatically when the machine is within WiFi range
- Manage, update, and download data from/to a USB drive



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