

# Gateway100

Efficiently processes and manages data from peripheral devices, transmitting it to the HMI for enhanced mining operations.



The Gateway100 serves as the interface for vehicle connectivity, executing collision avoidance algorithms, and managing system sensors. It includes an internal low-frequency transmitter for generating an exclusion field within the vehicle cab. With Wi-Fi capability and enhanced internal storage, it offers upgraded log-keeping capacity compared to previous systems.

## Main benefits

**Enhanced safety.** Runs collision avoidance algorithms and controls sensing devices to ensure safety.

**Exclusion field generation.** Utilizes an internal low-frequency transmitter to create exclusion zones within the vehicle cab.

**Improved connectivity.** WiFi capability for enhanced communication. GSM/LTE option also available.

**Storage.** Offers upgradeable internal storage with increased log-keeping capacity compared to previous systems.



## Functions

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- Receives information from operator input from HMI
- Controls communication to the connected sensing devices
- Information fusion of sensed threat data
- Applies collision avoidance algorithm to the threat list
- Logs all interactions and events
- Level 9 interface ISO218-2
- Exclusion field generator

## Features

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- Unique Identifier
- Vehicle Identifier
- Internal battery backup
- Data logging
- Over-the-Air (OTA)
- Wi-Fi, Ethernet, CAN FD, USB, GSM/LTE

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