Machines,
how are you?

mobile IoT gateway for global data exchange

- Enables centralised operation and maintenance planning of mobile machines used throughout the world

- Transfer of raw data and pre-processed information to the cloud

- Local and global access to the machine via mobile network or WLAN

- Acceleration, inclination and position data provide extended insight into the machine's condition

ifm – close to you!

IP67   E1

Interface between machine and man

The mobile IoT gateway is the dialogue interface between the mobile machine and the cloud level. Via an Ethernet interface and in future also via CAN, the gateway transmits all relevant data from the vehicle to the cloud via mobile network or WLAN. The gateway itself can also transmit information about acceleration and inclination as well as position data.

Efficient maintenance and operation planning

The mobile IoT gateway is configured via ifm's IoT suite, which can be used free of charge. The data and information can then be displayed and processed in a central IT-based machine management system. In the IoT portal, which is also available in the IoT suite, you can, for example, keep an eye on the current health status of your machines at all times via freely configurable dashboards.

This means that maintenance requirements can be responded to quickly and in a targeted manner, reducing downtimes to a minimum. Besides, it is possible to import application-specific machine configurations or software updates via mobile network. Thanks to satellite-based positioning, the machine's location can be determined precisely at any time.

For simplified local maintenance, the gateway can also be accessed via WLAN or Bluetooth.

Description	Order no.
mobile IoT gateway	**CR3171**

Technical data	
Internal interfaces	1x Ethernet, 3x CAN*
External interfaces	mobile network, WLAN, Bluetooth
SIM card	eSIM
Mobile network connection	4G / LTE
Inputs / outputs	3 digital inputs, 1 digital output
Protection rating	IP67

*corresponding firmware update in preparation

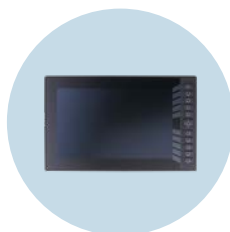For the use of the mobile IoT gateway, an additional data contract must be concluded with ifm.

Further information on the data tariffs

BEST FRIENDS

Control electronics
Standard and safety controller in one device

Robust HMI
Dialogue module with integrated controller

Ethernet switch
Extends the vehicle infrastructure by 6 ports

For further technical details,please visit:
ifm.com/fs/CR3171