Telematic Data Collector

Intelligent networking – harness your data and be proactive

GATEWAY SYSTEMS

SICK
Sensor Intelligence.

Telematic Data Collector

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Technical data overview

Tasks	Condition monitoring / stock monitoring / outdoor location finding / user-defined real-time alarms / condition monitoring / stock monitoring / user-defined real-time alarms (depending on type)
Sensors	Acceleration sensor Magnetometer Thermometers
GPS	✓
Modem	✓
Ethernet	✓ (2)
WLAN	✓
WPAN	✓
Serial	✓
CAN bus	✓ (2) / ✓ (depending on type)
USB	✓
UART	✓
Internal computer	1GB, DD3, dual-core Cortex-A7 with Cortex-M4 co-processor / 180 MHz ARM Cortex-M4 (depending on type)
Internal memory	16 GB / 32 MB, 256 kB SRAM (depending on type)
Operating system	Linux4Microservices, based on Linux Yocto Project 3.1.4 (Dunfell) FreeRTOS Linux (depending on type)
Connectivity	Mobile communication (4G) WLAN WPAN LAN Mobile communication (2G) Mobile communication (3G) (depending on type)
Alarm output	Push message / push notification or user-defined action (depending on type)
Fixing	In vehicle or control cabinet / In vehicle or control cabinet (DIN rail 35 mm x 7.5 mm according to EN 60715) (depending on type)
Weight	230 g 185 g 180 g
Ambient temperature, operation	–20 °C ... +70 °C (depending on type)
Ambient temperature, storage	–40 °C ... +85 °C (depending on type)

Product description

The Telematic Data Collector (TDC) networks sensors, machines, systems and vehicles using IIoT platforms. The data are transmitted wirelessly via mobile, radio communication or fixed-line connections. They can also be analyzed and evaluated locally (edge computing). It is also possible to set up user-defined real-time alarms (e.g., SMS notifications) via a variety of interfaces based on relevant data. The TDC brings together all the information along the value adding chain, thereby providing the ideal basis for wide-ranging analysis of that information and for deriving useful measures to increase productivity and efficiency.

At a glance

- Support for standardized interfaces and protocols for data communication
- Tailored configuration via a web-based user interface
- Integrated wireless technology and GPS module for precise position determination
- Open end-to-end IIoT architecture

Your benefits

- Simple, fast, cost effective and beneficial utilization of data
- Maximum availability of sensors and machines through real-time monitoring with user-defined alarms
- Broad range of applications thanks to the many connection and communication options available
- Future-proofed thanks to the use of open standards

Fields of application

- Networking of sensors, machines, systems and vehicles using IIot platforms
- Data provision and analysis for generating statistics and forecasts
- Monitoring of processes in process, factory and logistics automation
- Remote maintenance and monitoring of systems

Ordering information

Other models and accessories ➜ www.sick.com/Telematic_Data_Collector

- **Description:** The gateway networks sensors, machines and IIoT platforms for collecting and preprocessing local sensor and process data.

Network coverage	Tasks	Items supplied	Type	Part no.
Europe Middle East Africa APAC	–	TDC-E200EU with mobile communication (EU 27+2, 500 MB flow of data) including connecting cables and operating instructions	TDC-E200EU	6067898
		TDC-E200R2 with mobile communication (without flow of data) including TDC connecting cables and operating instructions	TDC-E200R2	6067896
	Condition monitoring, stock monitoring, user-defined real-time alarms	TDC-E100EU and mobile communication (EU 27+2, M2M SIM card) including connecting cables and operating instructions	TDC-E100EU	6067899
		TDC-E100R2 with mobile communication (without data) including connecting cables and operating instructions	TDC-E100R2	6066438
Europe Middle East Africa APAC without Japan	–	TDC-E210GC with mobile communication (without data flow) including connecting cables and operating instructions	TDC-E210GC	6070344
North America Latin American	–	TDC-E200R6 with mobile communication (without flow of data) including TDC connecting cables and operating instructions	TDC-E200R6	6067536
	Condition monitoring, stock monitoring, user-defined real-time alarms	TDC-E100R6 with mobile communication (without data) including connecting cables and operating instructions	TDC-E100R6	6067537
Worldwide	Condition monitoring, stock monitoring, outdoor location finding, user-defined real-time alarms	TDC-B100 with mobile communication (EU 27+2 unlimited flow of data) including TDC configuration software, connecting cables and operating instructions	TDC-B100	6064656
		TDC-B200 with mobile communication (EU 27+2 unlimited flow of data) including TDC configuration software, connecting cables and operating instructions	TDC-B200	6064657
	Condition monitoring, stock monitoring, user-defined real-time alarms	TDC-M100 and mobile communication (EU 27+2 unlimited flow of data) including TDC configuration software and operating instructions	TDC-M100	6065413

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is "Sensor Intelligence."

WORLDWIDE PRESENCE:

Contacts and other locations –**www.sick.com**

SICK AG | Waldkirch | Germany | www.sick.com

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