



PRODUCT OVERVIEW

RFH6xx

RFID

SICK

Sensor Intelligence

RFID

RFH6xx

HF transponder identification using an RFID read/write device for high process speeds

The RFH6xx is an ISO/IEC 15693-compatible RFID read/write device for read ranges of up to 240 mm. Thanks to its compact design and integrated antenna, the RFH6xx can be used to flexibly and inexpensively expand existing systems. Support for standard fieldbus systems via a universal connector facilitates integration into practically any application. Integrated signal and data processing allow the identification process to run at extremely high speeds. The direct use of trigger signals and situational control of output mean it can be used as an independent remote unit. The configurable data output formats enable integration into existing IT infrastructures. The RFH6xx complies with the CE and FCC requirements for wireless equipment and can therefore be used worldwide. The intuitive SOPAS user interface makes it easier to access other functions (cloning, diagnostics, heartbeat, script language, time-controlled data output ...).



RFH6xx AT A GLANCE

BENEFITS

- Reliable identification guarantees maximum throughput
- Adapts to changing needs, providing long-term investment security
- Simple integration saves installation time
- The defined reading field ensures targeted identification of the desired object
- Maintenance-free
- Compact RFID read/write device with integrated antenna and several host interfaces do not require additional connectivity
- The same connectivity and user interface as the bar code scanners and image-based code readers from SICK - compatible thanks to the uniform 4Dpro

FEATURES

- 13.56 MHz RFID read/write device for read ranges up to 240 mm
- Transponder communication according to ISO/IEC 15693 standard
- Compact, industrial design with integrated antenna
- Embedded protocols allow interfacing with standard industrial fieldbus technologies
- Powerful micro-processor executes internally configurable logic
- Flexible trigger control
- Supports parameter cloning via microSD memory card
- Built-in diagnostics

TECHNICAL DATA OVERVIEW

Product category	RFID read/write device with integrated antenna
Frequency band	HF (13.56 MHz)
Version	Short Range / Mid Range
Reading range	≤ 150 mm / ≤ 240 mm
Ethernet	✓ , TCP/IP
PROFINET	✓ / ✓ , optional over external fieldbus module
EtherNet/IP™	✓
EtherCAT®	✓ , optional over external fieldbus module
Serial	✓ , RS-232, RS-422, RS-485
CAN	✓
CANopen	✓
PROFIBUS DP	✓ , optional over external fieldbus module
Weight	450 g ... 760 g

Select the right product variant and accessories directly online. There you will also find example applications as well as downloads such as CAD dimensional models, operating instructions and software.

www.sick.com/RFH6xx



SICK AG
WALDKIRCH
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SICK AT A GLANCE

SICK is a leading global technology company for intelligent sensors and integrated solutions in industrial automation. Our technologies set benchmarks, making your industrial processes more efficient, safer and more sustainable – both in logistics and manufacturing operations.

SICK combines sensor intelligence with industry expertise and certified consulting services. We provide the ideal foundation for scalable as well as tailor-made automation solutions and create added value along the entire value chain. Our close partnership with our customers is more than just a promise: Together, we optimize productivity, elevate quality, protect health and safety, and sustain the future. All with empathy and trust.

Since 1946, we have been developing innovative technologies with passion and a pioneering spirit. With a global network in around 40 countries, SICK has a global presence and is always close by. The company's headquarters are located in Waldkirch near Freiburg, Germany. Our customers benefit from our understanding of both local and global requirements, which enables us to deliver tailor-made solutions.

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