

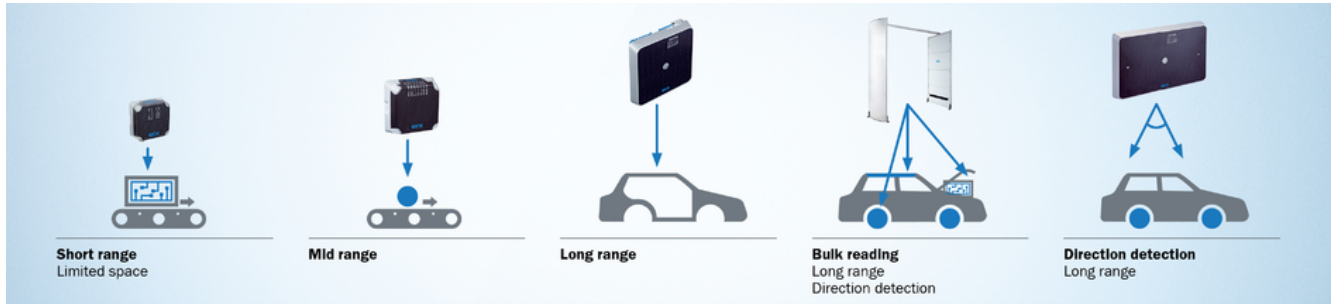


RFU62x

UHF transponder identification using an RFID read/write device for medium sensing ranges

SICK
Sensor Intelligence.

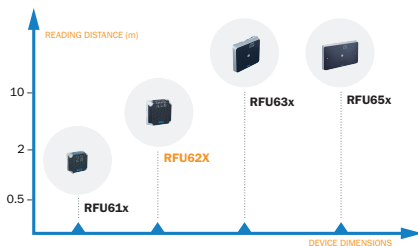
Advantages



Complete transparency with the RFU family

Continuous and company-wide identification with a single technology is now possible for the first time. The RFU61x achieves complete transparency in production and logistics processes – from component assembly to the shipment of the end product. The foundation for this is UHF RFID technology: IIoT applications with scanning ranges of 0 to 10 m, bulk reading and resistance to interfering factors such as light, dirt and dust. A direct line of sight to the data card is also not required.

Continuous identification solution for production and logistics process



The RFU62x complements the product portfolio for medium scanning ranges. A continuous UHF RFID identification solution for read/write ranges of 0 to 10 m is therefore possible for the first time.

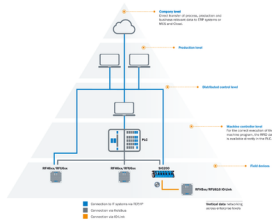
The RFU family features a uniform operating and configuring interface. The user-friendly software ensures quick and easy installation as well as fault-free operation.

SICK supports the planning and design of the read/write stations and helps to select a suitable transponder. A worldwide network of service technicians is available for commissioning at the customer site.



The UHF write/read devices from SICK are enabling full transparency along the entire value chain for the first time – and all with one technology

Your advantages at a glance



Increases system productivity

Integration of the sensors at the fieldbus level enables continuous communication up to the cloud. It also allows sensor data to be stored centrally and called up as needed, which is a good basis for increasing system productivity.



Wide range of solutions

The range of solutions from SICK includes many different devices. This enables a uniform communication infrastructure.



Quick and easy device replacement

Easy device replacement thanks to various parameter cloning options in the event of an error. No specially trained staff, additional tools or instructions are required.



Technical data overview

Product category	RFID read/write device with integrated antenna
Frequency band	UHF (860 MHz ... 960 MHz)
Version	Mid Range
Reading range	≤ 2 m
Serial	✓, RS-232, RS-422
CAN	✓
PROFIBUS DP	✓, optional over external fieldbus module
USB	✓
PROFINET	✓, optional over external fieldbus module / ✓ (depends on variant)
CANopen	✓
EtherCAT	✓, optional over external fieldbus module
Ethernet	✓, TCP/IP, OPC UA / ✓, TCP/IP, PoE, OPC UA (depends on variant)
EtherNet/IP™	✓
Weight	780 g

Product description

The RFU62x is a UHF RFID read/write device suitable for read ranges of up to 1 m. The transponder communication is compliant with standard ISO/IEC18000-6C (EPC Class 1 Gen 2). The device can be configured to operate from the SOPAS user interface or by sending ASCII commands directly. Its well-defined, restricted read/write range is particularly well-suited for automated identification over small object distances, e.g., in conveyor technology.

At a glance

- Antenna and data processing integrated in the sensor
- Read range up to 2 m
- Linkage option to superior control systems or directly to the cloud
- Excellent antenna characteristics
- Configuration via SOPAS ET or integrated web server
- Can be used with SICK AppSpace
- Rugged design in accordance with IP67

Your benefits

- Very high process stability as the optimally-aligned antenna characteristics prevent no-reads
- Easy configuration through SOPAS ET or the integrated web server saves time and costs for commissioning
- Maximum flexibility when programming individual software solutions with SICK AppSpace
- The rugged design enables reliable operation - even in tough industrial environments
- Very little programming work needed in the control due to intelligent process logics in the device

Fields of application

- Workpiece identification on assembly lines
- Charging identification on mobile platforms
- Identification of production material in machines
- Container identification in conveyor systems
- Material procurement in E-Kanban

Ordering information

Other models and accessories → www.sick.com/RFU62x

- **Frequency band:** UHF (860 MHz ... 960 MHz)
- **Reading range:** ≤ 2 m (Depending on transponder used and ambient conditions.)

Radio approval	Enclosure rating	Type	Part no.
Australia	IP67	RFU620-10102	1101700
Brazilian	IP67	RFU620-10104	1069677
		RFU620-10504	1070407
China, Thailand	IP67	RFU620-10105	1068728
		RFU620-10505	1077860
European Union, South Africa, Serbia	IP65	RFU620-10400	1062600
	IP67	RFU620-10100	1062599
		RFU620-10500	1062601
India	IP67	RFU620-10103	1091355
		RFU620-10503	1069453
Japan	IP67	RFU620-10107	1068727
		RFU620-10507	1083976
Korea	IP67	RFU620-10510	1083557
Malaysia	IP67	RFU620-10114	1096414
		RFU620-10514	1077863
New Zealand	IP67	RFU620-10111	1084997
Taiwan	IP67	RFU620-10113	1139061
USA, Canada, México	IP65	RFU620-10401	1062603
	IP67	RFU620-10501	1062604
USA, Canada, México, Ecuador, Costa Rica	IP67	RFU620-10101	1062602
Vietnam	IP67	RFU620-10118	1101686

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