



# RFU620-10101

RFU62x

RFID

**SICK**  
Sensor Intelligence.



	Function	Host, AUX
	Data transmission rate	10/100 MBit/s
<b>PROFINET</b>		✓
	Function	PROFINET Single Port, PROFINET Dual Port (optional via external connection module CDF600-2)
	Data transmission rate	10/100 MBit/s
<b>EtherNet/IP™</b>		✓
	Data transmission rate	10/100 MBit/s
<b>Serial</b>		✓, RS-232, RS-422, RS-485
	Data transmission rate	0.3 kBaud ... 115.2 kBaud, AUX: 57.6 kBaud (RS-232)
<b>CAN</b>		✓
	Remark	CSN (SICK CAN Sensor Network)
	Function	Host
<b>PROFIBUS DP</b>		✓
	Type of fieldbus integration	Optional over external fieldbus module CDF600-2
<b>DeviceNet™</b>		✓
	Type of fieldbus integration	Optional available externally
<b>Switching inputs</b>		4 ("Sensor 1", "Sensor 2", 2 inputs via optional parameter storage CMC600 in CDB620/CDM420)
<b>Switching outputs</b>		4 ("Result 1", "Result 2", 2 outputs via optional parameter storage CMC600 in CDB620/CDM420)
<b>Optical indicators</b>		11 LEDs (function configurable via SOPAS ET, alternatively controlling with sw commands, status displays)
<b>Configuration software</b>		SOPAS ET

## Mechanics/electronics

<b>Electrical connection</b>	1 x M12, 17-pin male connector 1 x M12, 4-pin Ethernet female connector
<b>Operating voltage</b>	10 V DC ... 30 V DC <sup>1)</sup>
<b>Power consumption</b>	8 W, with heating typ. 16 W
<b>Housing</b>	Aluminum die cast Plastic (PPS)
<b>Enclosure rating</b>	IP67
<b>Protection class</b>	III
<b>Weight</b>	780 g
<b>Dimensions (L x W x H)</b>	137 mm x 131 mm x 56 mm

<sup>1)</sup> With heating 20 V DC ... 30 V DC.

## Ambient data

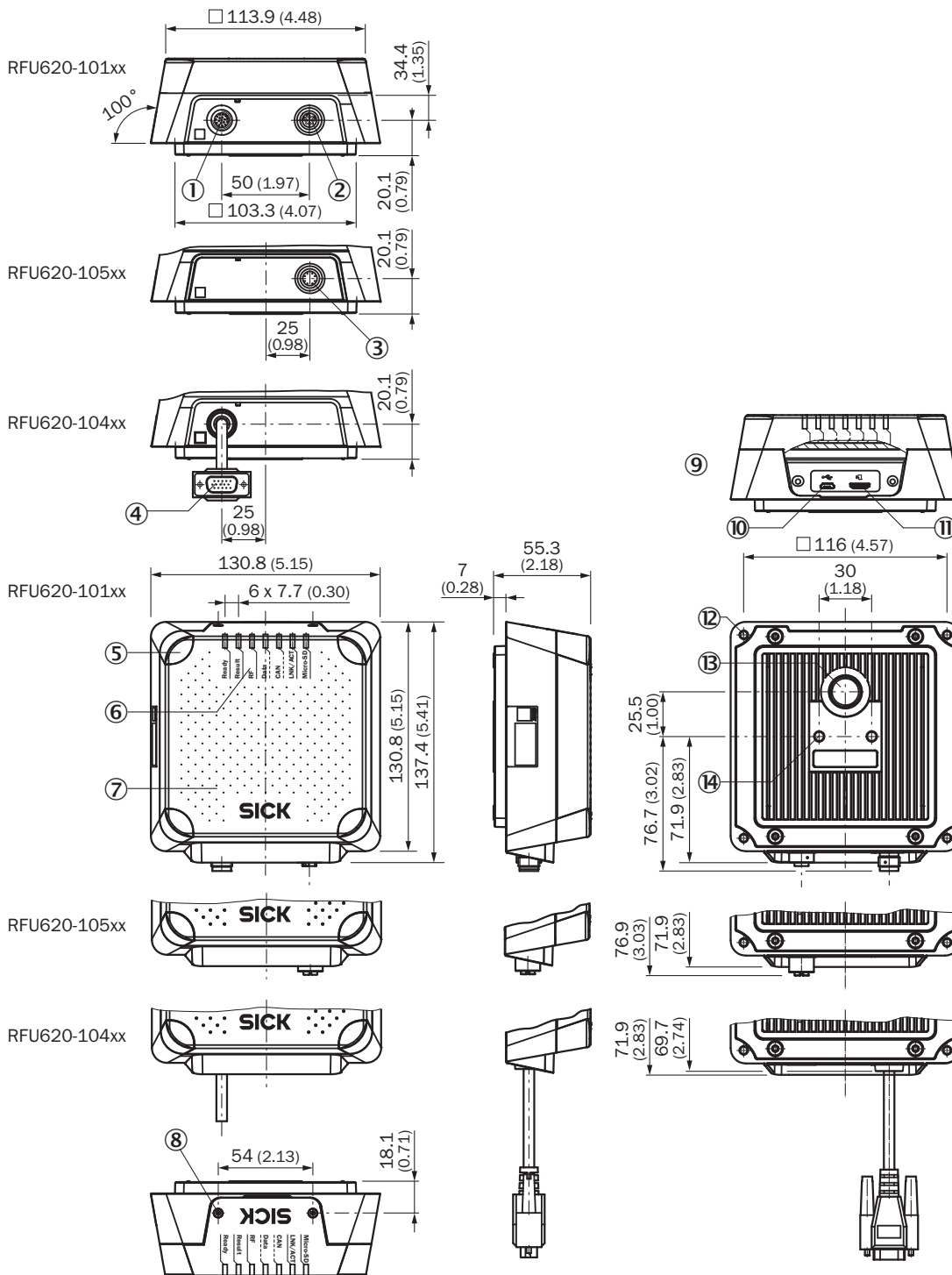
<b>Electromagnetic compatibility (EMC)</b>	EN 61000-6-3 (2007) + A1 (2011) / EN 61000-6-2 (2005)
<b>Vibration resistance</b>	EN 60068-2-6 (2008-02)
<b>Shock resistance</b>	EN 60068-2-27 (2009-05)
<b>Ambient operating temperature</b>	-40 °C ... +50 °C
<b>Storage temperature</b>	-40 °C ... +70 °C
<b>Permissible relative humidity</b>	90 %, Non-condensing

## Classifications

<b>ECl@ss 5.0</b>	27280401
<b>ECl@ss 5.1.4</b>	27280401
<b>ECl@ss 6.0</b>	27280401
<b>ECl@ss 6.2</b>	27280401
<b>ECl@ss 7.0</b>	27280401
<b>ECl@ss 8.0</b>	27280401
<b>ECl@ss 8.1</b>	27280401
<b>ECl@ss 9.0</b>	27280401
<b>ETIM 6.0</b>	EC002998
<b>UNSPSC 16.0901</b>	52161523

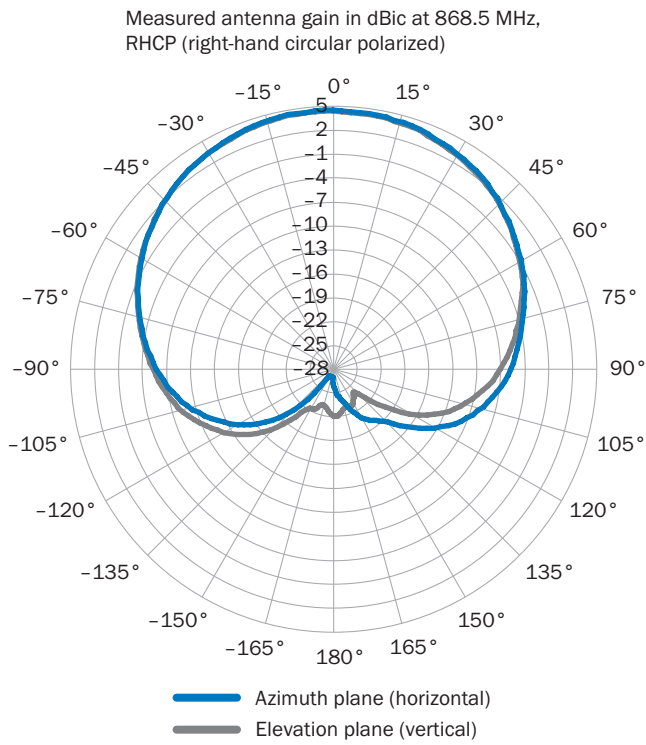
Dimensional drawing (Dimensions in mm (inch))

RFU62x





- ① "Power/AUX/CAN/I/O" connection, 17-pin M12 male connector, A-coded
- ② "Ethernet" connection, 4-pin M12 female connector, D-coded
- ③ "Ethernet" connection, 8-pin M12 female connector, X-coded
- ④ "Power/HOST/AUX/CAN/I/O" connection, 15-pin D-Sub HD male connector, cable 0,9 m
- ⑤ 4 x LED multi-color (process feedback)
- ⑥ 7 x LED for status display
- ⑦ Cover with integrated antenna
- ⑧ Screw (Torx T8), captive (2 x), for side cover
- ⑨ Side cover opened
- ⑩ USB socket, type Micro-B
- ⑪ Slot for microSD memory card
- ⑫ Blind hole thread M5, 9 mm deep (4 x), for alternatively mounting
- ⑬ Pressure compensation valve (ventilation element)
- ⑭ M6 blind tapped holes, 7 mm deep (2 x), for mounting





Radiation pattern



Recommended accessories

Other models and accessories → [www.sick.com/RFU62x](http://www.sick.com/RFU62x)

	Brief description	Type	Part no.
<b>Mounting brackets and plates</b>			
	Simple mounting bracket	Mounting bracket	2071067
<b>Modules</b>			
	Small connection module for one sensor, 4 cable glands, base for CMC600	CDB620-001	1042256
	Fieldbus proxy/gateway for connecting identification sensors to PROFIBUS-DP networks (PROFIBUS interface: 2 x M12, male connector/female connector, 5-pin)	CDF600-2100	1058965
	Fieldbus proxy/gateway for connecting one identification sensor to PROFINET-IO networks (interface 2 x M12, female connector/female connector, 4-pin)	CDF600-2200	1062460
<b>Plug connectors and cables</b>			
	Head A: female connector, M12, 17-pin, straight Head B: male connector, D-Sub-HD, 15-pin, straight Cable: Power, serial, CAN, digital I/Os, shielded, 2 m	Connection cable (male connector - female connector)	2055419

	Brief description	Type	Part no.
	Head A: male connector, M12, 4-pin, straight, D-coded Head B: male connector, RJ45, 8-pin, straight Cable: Ethernet, twisted pair, PUR, halogen-free, shielded, 2 m	SSL-2J04-G02ME	6034414
	Head A: male connector, USB-A Head B: male connector, Micro-B Cable: USB 2.0, unshielded, 2 m	USB cable	6036106
<b>Storage media</b>			
	Code for activating the SICK AppSpace functions. MicroSD memory card with 1 GB for industrial use.	SDK6U-P00100 SICK AppSpace	1076012
<b>RFID transponder</b>			
	UHF transponder, global, thermoplastic, 51.5 mm x 47.5 mm x 10 mm, Impinj Monza 4 QT	On-metal transponder (52 mm x 48 mm x 10 mm)	6052346

## 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](http://www.sick.com)