

## Technical data sheet

### Wireless mobile 2D-code reader

Part no.: 50154425

IT 1962gSR-2USB-9BFWC

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For illustration purposes only



## Set consists of

Quantity	Part no.	Designation	Article	Description
1	50114521	KB USB-1 IT190x	Interconnection cable	Suitable for interface: USB Connection 1: RJ41 Connection 2: USB Shielded: Yes Cable length: 3,000 mm Sheathing material: PVC



## Technical data

### Basic data

Series	IT19xx
Contains	1x base station 1x battery 1x hand-held scanner USB cable

### Read data

Code types, readable	2/5 Interleaved Aztec Codabar Code 128 Code 39 Code 93 Composite Codes Data Matrix Code DotCode EAN 128 EAN 8/13 EAN Addendum GS1 Databar GS1 Databar Expanded GS1 Databar Limited GS1 Databar Omnidirectional GS1 Databar Stacked GS1 Databar Truncated Maxicode Micro PDF Micro QR Others on request PDF417 QR code UPC
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### Optical data

Reading distance	0 ... 1,115 mm
Camera resolution, horizontal	1,280 px
Camera resolution, vertical	1,080 px

### Electrical data

<b>Performance data</b>	
Supply voltage $U_B$	4.75 ... 5.25 V, DC
Power consumption, max.	2.5 W
Battery technology	Supercapacitor (Battery free)

### Interface

Type	PS/2, RS 232, USB
<b>RS 232</b>	
Function	Process
<b>USB</b>	
Function	Process

### Connection

Bluetooth range	Class 2
Bluetooth version	4.2
<b>Connection 1</b>	
Type of connection	Bluetooth

### Mechanical data

Dimension (W x H x L)	70 mm x 108 mm x 160 mm
Housing material	Plastic
Net weight	255 g

### Environmental data

Ambient temperature, operation	0 ... 50 °C
Ambient temperature, storage	-40 ... 70 °C
Relative humidity (non-condensing)	0 ... 95 %
Drop height	1.8 m
Measurements relative to	Concrete floor

### Certifications

Degree of protection	IP 52
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### Classification

Customs tariff number	84719000
ECLASS 5.1.4	27280103
ECLASS 8.0	27280103
ECLASS 9.0	27280103
ECLASS 10.0	27280103
ECLASS 11.0	27280103
ECLASS 12.0	27280103
ECLASS 13.0	27280103
ECLASS 14.0	27280103
ECLASS 15.0	27280103
ECLASS 16.0	27280103
ETIM 5.0	EC002550
ETIM 6.0	EC002999
ETIM 7.0	EC002999
ETIM 8.0	EC002999
ETIM 9.0	EC002999
ETIM 10.0	EC002999
UNSPSC 26.08	43211701

## Electrical connection

### Connection 1

Function	Configuration interface
	Data interface
Type of connection	Bluetooth

## Diagrams

### Typical reading behavior

	A [mil]	B [mm]	C [mm]	D [mm]
Code 39	3	0,076	34	174
	5	0,127	23	311
	10	0,254	0	651
	20	0,508	4	1115
UPC	13	0,330	0	654
Code 128	7,5	0,191	6	367
	15	0,381	0	543
PDF 417	5	0,127	45	176
	6,7	0,170	22	229
Data Matrix Code	7,5	0,191	34	188
	10	0,254	12	273
QR-Code	10	0,254	11	262
	20	0,508	0	495



A	Module size [mil]
B	Modulus size [mm]
C	From [mm]
D	To [mm]

**ATTENTION !** Please notice that the real reading distances are also influenced by factors such as labeling material, printing quality, reading angle, printing contrast etc., and may thus deviate from the reading distances specified here.

## Operation and display


LED	Display	Meaning
1	Red, continuous light	Low battery level
	Green, 1x flashing	Reading successful
	Red, flashing	Communication error

## Notes


 Observe intended use!	
	<ul style="list-style-type: none"> <li>⚠ This product is not a safety sensor and is not intended as personnel protection.</li> <li>⚠ The product may only be put into operation by competent persons.</li> <li>⚠ Only use the product in accordance with its intended use.</li> </ul>

## Accessories


### Connection technology - Connection unit

	Part no.	Designation	Article	Description
	50112891	MA 248i Profinet Gateway	Modular connection unit	Supply voltage: 18 ... 30 V, DC Current consumption, max.: 300 mA Interface: RS 232, PROFINET Connections: 6 Piece(s) Degree of protection: IP 65

### Connection technology - Interconnection cables

	Part no.	Designation	Article	Description
	50113397	KB JST-HS-300	Interconnection cable	Application: Chemical resistant Suitable for interface: RS 232 Connection 1: JST ZHR connector Connection 2: Sub-D, Axial, Male, 9 -pin Shielded: Yes Cable length: 300 mm Sheathing material: PUR

### Power supply units

	Part no.	Designation	Article	Description
	50114525 *	NT f. IT 1900+Base-EU	Power supply unit	Type of power supply unit: Plug-in power supply unit Output: 5 V DC, 1 A Input: 110 ... 240 V AC, 50 ... 60 Hz

\* Necessary accessories, please order separately

#### Note



A list with all available accessories can be found on the Leuze website in the Download tab of the article detailed page.