

## Technical data sheet

### Wireless mobile bar code reader

Part no.: 50143597

IT 1472g-1D-2 USB-KIT

#### Contents



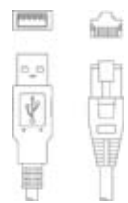
- Set consists of
- Technical data
- Electrical connection
- Diagrams
- Operation and display
- Accessories



Figure can vary



## Set consists of

	Quantity	Part no.	Designation	Article	Description
	1	50143595	Base IT 1472g	Base station	Interface: PS/2, RS 232, USB Bluetooth range: Class 2 Bluetooth version: 2.1 Connection 1: RJ41 Connection 2: Jack socket Connection 3: Bluetooth
	1	50105384	Battery IT-series	Battery	Supply voltage: 3.7 V, DC Battery technology: Lilon Battery storage capacity: 2.4 A·h
	1	50114521	KB USB-1 IT190x	Interconnection cable	Suitable for interface: USB Connection 1: USB Connection 2: RJ41 Shielded: Yes Cable length: 3,000 mm Sheathing material: PVC

## Technical data

### Basic data

Series	IT147xg
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### Read data

Code types, readable	2/5 Interleaved Codabar Codablock Code 128 Code 39 Code 93 EAN 8/13 EAN Addendum GS1 Databar GS1 Databar Expanded GS1 Databar Limited GS1 Databar Omnidirectional GS1 Databar Stacked GS1 Databar Truncated UPC
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### Optical data

Reading distance	5 ... 400 mm
Light source	LED
LED group	1
Camera resolution, horizontal	1,040 px
Camera resolution, vertical	720 px
Bar code contrast (PCS)	35 %
Modulus size	0.127 ... 0.508 mm

### Performance data

Supply voltage $U_B$	3.7 V, DC
Power consumption, max.	1.8 W
Battery technology	Lilon
Battery storage capacity	2.4 A·h

### 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)	173 mm x 82 mm x 62 mm
Housing material	Plastic
Plastic housing	UL 94-V0
Net weight	210 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 42
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## Technical data

Customs tariff number	85044055
eCl@ss 5.1.4	27280101
eCl@ss 8.0	27280101
eCl@ss 9.0	27280101
eCl@ss 10.0	27280101
eCl@ss 11.0	27280101
ETIM 5.0	EC002550
ETIM 6.0	EC002550
ETIM 7.0	EC002550

## 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	5	0,127	20	205
UPC/EAN 13	13	0,33	18	400

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


D To [mm]  
 ATTENTION Please observe the note below  
 ! regarding the reading distances.

## Operation and display

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


## Accessories

### Connection technology - Connection unit

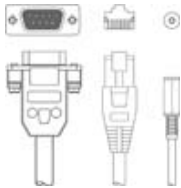
	Part no.	Designation	Article	Description
	50112891	MA 248i Profinet Gateway	Modular connection unit	Supply voltage: 18 ... 30 V Current consumption, max.: 300 mA Interface: PROFINET, RS 232 Connections: 6 Piece(s) Degree of protection: IP 65

## Accessories


### Connection technology - Interconnection cables

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

### Connection technology - Y distribution cables

	Part no.	Designation	Article	Description
	50114517	KB 232-1 IT190x	Interconnection cable	Suitable for interface: RS 232, TTL Connection 1: Sub-D, Axial, Female, 9 -pin Connection 2: RJ41 Connection 3: Connector, Pluggable, Axial, Female, 2 -pin Shielded: Yes Cable length: 3,000 mm Sheathing material: PVC

### 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.