

## Technical data sheet

### Wireless mobile 2D-code reader

Part no.: 50144031

IT 1472g-2D-2 USB-KIT

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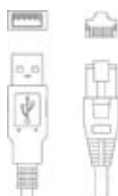


Figure can vary



## Set consists of

Quantity	Part no.	Designation	Article	Description
1	50143595	Base IT 1472g	Base station	Interface: USB, PS/2, RS 232 Bluetooth range: Class 2 Bluetooth version: 4.2 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
	Aztec
	Codabar
	Codablock
	Code 128
	Code 39
	Code 93
	Data Matrix Code
	DotCode
	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
	PDF417
	QR code
	UPC

### 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

### Electrical data

#### 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

## Technical data

### 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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### 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
ETIM 5.0	EC002550
ETIM 6.0	EC002550
ETIM 7.0	EC002999
ETIM 8.0	EC002999

## 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
PDF 417	6,7	0,169	15	185
Data Matrix Code	10	0,254	10	165
QR Code	20	0,508	5	325

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

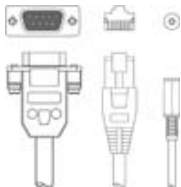
### Connection technology - Connection unit

	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


### 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: RJ41 Connection 2: Sub-D, Axial, Female, 9 -pin 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.