

Technical data sheet

Mobile bar code reader

Part no.: 50141806
IT 1400g PDF-2-USB-KIT

Contents

- Technical data
- Electrical connection
- Operation and display
- Accessories



Figure can vary



Technical data

Basic data

Series	IT14xx
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Read data

Code types, readable	2/5 Interleaved
	Codabar
	Codablock
	Code 128
	Code 39
	Code 93
	EAN 128
	EAN 8/13
	EAN Addendum
	GS1 Databar
	GS1 Databar Expanded
	GS1 Databar Limited
	GS1 Databar Omnidirectional
	GS1 Databar Stacked
	GS1 Databar Truncated
	Micro PDF
	PDF417
	UPC

Optical data

Reading distance	37 ... 370 mm
Light source	LED
LED group	1
Camera resolution, horizontal	640 px
Camera resolution, vertical	480 px
Bar code contrast (PCS)	35 %
Modulus size	0.127 ... 0.508 mm

Electrical data

Performance data

Supply voltage U_B	4 ... 5.5 V, DC
Power consumption, max.	2 W

Interface

Type	RS 232, USB
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RS 232

Function	Process
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USB

Function	Process
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Connection

Connection 1

Type of connection	RJ41
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Mechanical data

Dimension (W x H x L)	66 mm x 43 mm x 180 mm
Housing material	Plastic
Plastic housing	UL 94-V0
Net weight	119 g

Environmental data

Ambient temperature, operation	0 ... 40 °C
Ambient temperature, storage	-40 ... 60 °C
Relative humidity (non-condensing)	0 ... 95 %
Drop height	1.5 m
Measurements relative to	Concrete floor

Certifications

Degree of protection	IP 42
Certifications	c UL US

Classification

Customs tariff number	84719000
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

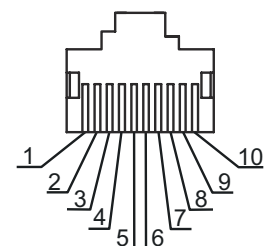
Electrical connection

Connection 1

Function	Configuration interface
	Data interface
	Service interface
Type of connection	RJ41

Pin Pin assignment

1	Shield
2	Cable ID
3	GND
4	TxD RS 232 / n.c. USB



Electrical connection

Pin	Pin assignment
5	RxD RS 232 / n.c. USB
6	CTS RS 232 / n.c. USB
7	+5 V DC
8	RTS RS 232 / n.c. USB
9	n.c. RS 232 / Data + USB
10	n.c. RS 232 / Data - USB

Operation and display

LED	Display	Meaning
1	Green, 1x flashing	Reading successful
	Red	No reading result

Accessories

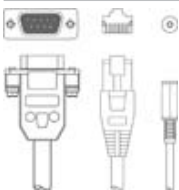
Connection technology - Connection unit

	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: 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

Note



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