

Technical data sheet Mobile bar code reader

Part no.: 50116864

IT 1300g-2

Contents

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



Figure can vary



Technical data

Basic data

Series	IT1300
--------	--------

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
	Others on request
	UPC

Optical data

Reading distance	10 ... 460 mm
Light source	LED
LED group	1
Camera resolution, horizontal	3,648 px
Camera resolution, vertical	1 px
Bar code contrast (PCS)	20 %
Modulus size	0.127 ... 1.4 mm

Electrical data

Performance data	
Supply voltage U_B	5 V, DC
Power consumption, max.	1.8 W

Interface

Type	RS 232, USB
------	-------------

RS 232

Function	Process
----------	---------

USB

Function	Process
----------	---------

Connection

Connection 1

Type of connection	RJ41
--------------------	------

Mechanical data

Dimension (W x H x L)	79 mm x 150 mm x 112 mm
Housing material	Plastic, UL 94-V0
Net weight	159 g

Environmental data

Ambient temperature, operation	0 ... 50 °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 41
Certifications	c UL US

Classification

Customs tariff number	84719000
eCl@ss 8.0	27280101
eCl@ss 9.0	27280101
ETIM 5.0	EC002550
ETIM 6.0	EC002550

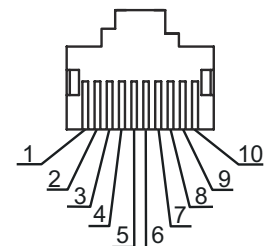
Electrical connection

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
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

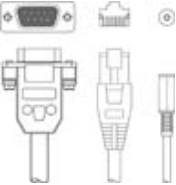
Connection technology - Connection unit

	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

Mounting technology - Other

	Part no.	Designation	Article	Description
	50120444	BT Wallholder HS65x8	Wall mount	Design of mounting device: Wall mounting Fastening, at system: Through-hole mounting Mounting bracket, at device: insertable Material: Plastic

Note



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