



Figure can vary

**Part no.: 50116864**  
**IT 1300g-2**  
**Mobile bar code reader**



## Contents

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- Electrical connection
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Part no.: 50116864 – IT 1300g-2 – Mobile bar code reader

## Technical data

### Basic data

Series	IT1300
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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 Others on request UPC
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### 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
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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)	79 mm x 150 mm x 112 mm
Housing material	Plastic , UL 94-V0
Net weight	159 g

### Environmental data

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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

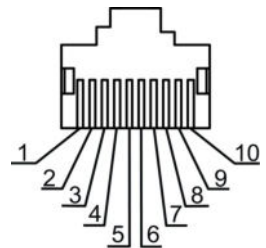
### Classification

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	
Type of connection	RJ41
Function	Configuration interface Data interface Service interface

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


### LEDs

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


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## Accessories

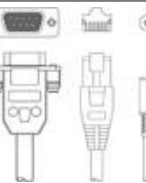
### Connection technology - Connection unit

	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 electronic website in the Download tab of the article detailed page.