

Technical data sheet

Wireless mobile 2D-code reader

Part no.: 50114513

IT 1902g HD-2

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Figure can vary



Technical data

Basic data

Series	IT19xx
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Read data

Code types, readable	2/5 Interleaved
	Aztec
	Codabar
	Code 128
	Code 39
	Code 93
	Composite Codes
	Data Matrix Code
	EAN 128
	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
	Others on request
	PDF417
	QR code
	UPC

Optical data

Reading distance	0 ... 233 mm
Camera resolution, horizontal	838 px
Camera resolution, vertical	640 px

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 A·h

Interface

Type	PS/2, RS 232, USB
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RS 232

Function	Process
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USB

Function	Process
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Connection

Bluetooth range	Class 2
Bluetooth version	2.1

Connection 1

Type of connection	Bluetooth
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Mechanical data

Dimension (W x H x L)	70 mm x 160 mm x 80 mm
Housing material	Plastic, UL 94-V0
Net weight	213 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 41
Certifications	c UL US

Classification

Customs tariff number	84719000
eCl@ss 8.0	27280103
eCl@ss 9.0	27280103
ETIM 5.0	EC002999
ETIM 6.0	EC002999

Electrical connection

Connection 1

Function	Configuration interface
	Data interface
Type of connection	Bluetooth

Operation and display

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

Notes



Observe intended use!



- ⚠ This product is not a safety sensor and is not intended as personnel protection.
- ⚠ The product may only be put into operation by competent persons.
- ⚠ Only use the product in accordance with its intended use.



For UL applications:



- ⚠ For UL applications, use is only permitted in Class 2 circuits in accordance with the NEC (National Electric Code).

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 - Base stations

	Part no.	Designation	Article	Description
	50114492 *	Base f. IT 1902	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

* Necessary accessories, please order separately

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

Accessories

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