Technical data sheet

Wireless mobile 2D-code reader

Part no.: 50141807

IT 1911i ER-3-USB-KIT

Figure can vary

Contents
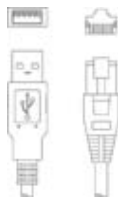
- Set consists of
- Technical data
- Electrical connection
- Operation and display
- Notes
- Accessories

IP 65

Bluetooth

CE

The Sensor People

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1/5

Set consists of

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	Quantity	Part no.	Designation	Article	Description
	1	50122431	Base f. IT 1911	Base station	Interface: PS/2, USB, RS 232 Bluetooth range: Class 1 Bluetooth version: 2.1 Connection 1: RJ41 Connection 2: Jack socket Connection 3: Bluetooth Drop height: 1.2 m Degree of protection: IP 51
	1	50105384	Battery IT-series	Battery	Supply voltage: 3.7 V, DC Battery technology: LiIon Battery storage capacity: 2.4 A·h
	1	50122434	IT 1911i ER-3	Wireless mobile 2D-code reader	
	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	IT19xx

Read data

Code types, readable	2/5 Interleaved
	Aztec
	Codabar
	Codablock
	Code 128
	Code 39
	Code 49
	Code 93
	Data Matrix Code
	EAN/UPC
	GS1 Databar
	Maxicode
	Micro PDF
	Others on request
	PDF417
	QR code
	UPC

Optical data

Reading distance	25 ... 596 mm
Camera resolution, horizontal	838 px
Camera resolution, vertical	640 px

Performance data

Supply voltage U_B	3.7 V, DC
Power consumption, max.	1.8 W
Battery technology	LiIon
Battery storage capacity	2.4 A·h

Interface

Type	PS/2, RS 232, USB

RS 232	
Function	Process

USB	
Function	Process

Connection

Bluetooth range	Class 1
Bluetooth version	2.1

Connection 1	
Type of connection	Bluetooth

Mechanical data

Dimension (W x H x L)	75 mm x 133 mm x 195 mm
Housing material	Plastic
Plastic housing	UL 94-V0
Net weight	380 g

Technical data

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Environmental data

Ambient temperature, operation	-20 ... 50 °C
Ambient temperature, storage	-40 ... 70 °C
Relative humidity (non-condensing)	0 ... 95 %
Drop height	2 m
Measurements relative to	Concrete floor

Certifications

Degree of protection	IP 65

Classification

Customs tariff number	84719000
eCl@ss 5.1.4	27280103
eCl@ss 8.0	27280103
eCl@ss 9.0	27280103
eCl@ss 10.0	27280103
eCl@ss 11.0	27280103
ETIM 5.0	EC002550
ETIM 6.0	EC002999
ETIM 7.0	EC002999

Electrical connection

Connection 1

Function	Configuration interface
	Data interface
Type of connection	Bluetooth

Operation and display

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

Notes

⚠️ **WARNING! LASER RADIATION – CLASS 2 LASER PRODUCT**
Do not stare into beam!   **The device satisfies the requirements of IEC 60825-1:2007 (EN 60825-1:2007) safety regulations for a product of laser class 2 as well as the U.S. 21 CFR 1040.10 regulations with deviations corresponding to "Laser Notice No. 50" from June 24, 2007.**   ↳ Never look directly into the laser beam or in the direction of reflected laser beams! If you look into the beam path over a longer time period, there is a risk of injury to the retina.   ↳ Do not point the laser beam of the device at persons!   ↳ Interrupt the laser beam using a non-transparent, non-reflective object if the laser beam is accidentally directed towards a person.   ↳ When mounting and aligning the device, avoid reflections of the laser beam off reflective surfaces!   ↳ CAUTION! Use of controls or adjustments or performance of procedures other than specified herein may result in hazardous light exposure.   ↳ Observe the applicable statutory and local laser protection regulations.   ↳ The device must not be tampered with and must not be changed in any way.   There are no user-serviceable parts inside the device.   Repairs must only be performed by Leuze electronic GmbH + Co. KG.

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3/5

Notes

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NOTE
Affix laser information and warning signs! **Laser information and warning signs are affixed to the device. In addition, self-adhesive laser information and warning signs (stick-on labels) are supplied in several languages.** ✎ Affix the laser information sheet to the device in the language appropriate for the place of use. When using the device in the US, use the stick-on label with the "Complies with 21 CFR 1040.10" note. ✎ Affix the laser information and warning signs near the device if no signs are attached to the device (e.g. because the device is too small) or if the attached laser information and warning signs are concealed due to the installation position. ✎ Affix the laser information and warning signs so that they are legible without exposing the reader to the laser radiation of the device or other optical radiation.

Accessories
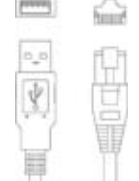
Connection technology - Connection unit

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
50122431 **	Base f. IT 1911	Base station	Interface: PS/2, USB, RS 232 Bluetooth range: Class 1 Bluetooth version: 2.1 Connection 1: RJ41 Connection 2: Jack socket Connection 3: Bluetooth Drop height: 1.2 m Degree of protection: IP 51

** Included in delivery contents

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
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

** Included in delivery contents

Accessories

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Replacement part

	Part no.	Designation	Article	Description
	50143603	IT 19x1i-End Cap	End cap	Type of fastening, at device: to engage

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

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5/5