



Figure can vary

**Part no.: 50114513**  
**IT 1902g HD-2**  
**Wireless mobile 2D-code reader**



## Contents

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

## Technical data

### Basic data

Series	IT19xx
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### Read data

Code types, readable	EAN 128 2/5 Interleaved Code 128 GS1 Databar Truncated UPC EAN 8/13 Micro PDF GS1 Databar Omnidirectional PDF417 Micro QR GS1 Databar Limited EAN Addendum Data Matrix Code Composite Codes GS1 Databar Stacked QR code Code 39 Others on request GS1 Databar Aztec Code 93 Maxicode Codabar GS1 Databar Expanded
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### 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
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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	
Type of connection	Bluetooth
Function	Data interface Configuration interface


## Operation and display

### LEDs


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

## Accessories


### Connection technology - Connection unit

	Part no.	Designation	Article	Description
	50112893	MA 204i Profibus Gateway	Modular connection unit	Supply voltage: 18 ... 30 V Current consumption, max.: 300 mA Interface: PROFIBUS DP, RS 232 Connections: 6 Piece(s) Degree of protection: IP 65
	50112892	MA 208i Ethernet Gateway	Modular connection unit	Supply voltage: 18 ... 30 V Current consumption, max.: 300 mA Interface: Ethernet, RS 232 Connections: 6 Piece(s) Degree of protection: IP 65
	50114154	MA 235i CANopen Gateway	Modular connection unit	Supply voltage: 18 ... 30 V Current consumption, max.: 300 mA Interface: CANopen, RS 232 Connections: 6 Piece(s) Degree of protection: IP 65
	50114155	MA 238i EtherCAT Gateway	Modular connection unit	Supply voltage: 18 ... 30 V Current consumption, max.: 300 mA Interface: EtherCAT, RS 232 Connections: 6 Piece(s) Degree of protection: IP 65
	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
	50114156	MA 255i DeviceNet Gateway	Modular connection unit	Supply voltage: 18 ... 30 V Current consumption, max.: 300 mA Interface: RS 232, DeviceNet Connections: 6 Piece(s) Degree of protection: IP 67
	50114157	MA 258i EtherNet/IP Gateway	Modular connection unit	Supply voltage: 18 ... 30 V Current consumption, max.: 300 mA Interface: EtherNet IP, RS 232 Connections: 6 Piece(s) Degree of protection: IP 65

### Connection technology - Base stations



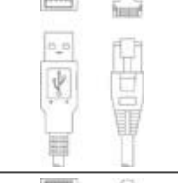
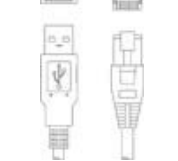
	Part no.	Designation	Article	Description
	50115738	Access Point f. IT	Base station	Interface: USB, RS 232 Bluetooth range: Class 2 Bluetooth version: 2.1 Connection 1: Bluetooth Connection 2: RJ41

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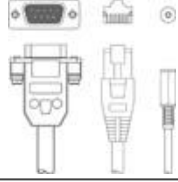

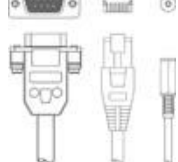
	Part no.	Designation	Article	Description
	50114492 *	Base f. IT 1902	Base station	Interface: PS/2, RS 232, USB Bluetooth range: Class 2 Bluetooth version: 2.1 Connection 1: RJ41 Connection 2: Jack socket Connection 3: Bluetooth

\* Necessary accessories, please order separately


**Connection technology - Interconnection cables**

	Part no.	Designation	Article	Description
	50128800	KB 232-3 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: 5,000 mm Sheathing material: PVC
	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
	50114523	KB USB-2 IT190x	Interconnection cable	Suitable for interface: USB Connection 1: USB Connection 2: RJ41 Shielded: Yes Cable length: 5,000 mm Sheathing material: PVC




**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
	50115105	KB 232-2 IT190x	Interconnection cable	Suitable for interface: RS 232 Connection 1: Sub-D, Axial, Female, 9 -pin Connection 2: RJ41 Connection 3: Connector, Pluggable, Axial, Male, 2 -pin Shielded: Yes Cable length: 3,000 mm Sheathing material: PVC
	50128800	KB 232-3 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: 5,000 mm Sheathing material: PVC


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	Part no.	Designation	Article	Description
	50114519	KB PS2-1 IT190x	Interconnection cable	Suitable for interface: PS/2 Connection 1: PS/2 Connection 2: RJ41, female Connection 3: PS/2 Shielded: Yes Cable length: 3,000 mm Sheathing material: PVC

**Mounting technology - Other**


	Part no.	Designation	Article	Description
	50114494	BAT-Charger-4 Desk-EU	Charging station	Supply voltage: 100 ... 240 V, AC Battery sockets: 4 Piece(s)
	50114498	BT Holder IT 190x	Mounting bracket	Functions: Activation of presentation mode Design of mounting device: Table foot Fastening, at system: Self-supporting Mounting bracket, at device: insertable Material: Plastic
	50114501	BT Stand 8 IT 190x	Mounting bracket	Functions: Activation of presentation mode Design of mounting device: Table foot Fastening, at system: Self-supporting Mounting bracket, at device: insertable Material: Plastic

**Power supply units**

	Part no.	Designation	Article	Description
	50114525 *	NT f. IT 1900+Base-EU	Power supply unit	Type of power supply unit: Plug-in power supply unit Output: 5 V DC, 1 A Input: 110..240 V AC, 50..60 Hz

\* Necessary accessories, please order separately

**Replacement part**

	Part no.	Designation	Article	Description
	501105384 **	Battery IT-series	Battery	Supply voltage: 3.7 V, DC Battery technology: Lilon Battery storage capacity: 2.4 A·h

\*\* Included in delivery contents