



Figure can vary

Part no.: 50130501
IT 1452g 1D-2
Wireless mobile bar code reader



Contents

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

Technical data

Basic data	
Series	IT145xg
Read data	
Code types, readable	GS1 Databar Truncated GS1 Databar Code 128 EAN 8/13 GS1 Databar Omnidirectional GS1 Databar Expanded EAN Addendum 2/5 Interleaved Codabar Code 39 Codablock GS1 Databar Stacked UPC GS1 Databar Limited Code 93
Optical data	
Reading distance	37 ... 360 mm
Light source	LED
LED group	1
Camera resolution, horizontal	640 px
Camera resolution, vertical	480 px
Bar code contrast (PCS)	35 %
Module size	0.127 ... 0.508 mm
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
RS 232	
Function	Process
USB	
Function	Process
Connection	
Bluetooth range	Class 2
Bluetooth version	2.1
Connection 1	
Type of connection	Bluetooth
Mechanical data	
Dimension	82 mm x 62 mm
Housing material	Plastic, UL 94-V0
Net weight	210 g

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Environmental data

Ambient temperature, operation	0 ... 50 °C
Ambient temperature, storage	-40 ... 70 °C
Relative humidity (non-condensing)	0 ... 95 %
Drop height	1.5 m
Measurements relative to	Concrete floor

Certifications

Degree of protection	IP 42
Certifications	c UL US

Classification

Customs tariff number	84719000
eCl@ss 8.0	27280103
eCl@ss 9.0	27280103
ETIM 5.0	EC002550
ETIM 6.0	EC002550

Electrical connection

Connection 1	
Type of connection	Bluetooth
Function	Configuration interface Data interface


Operation and display

LEDs

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

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

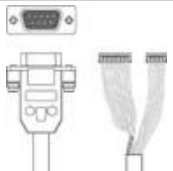
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	Part no.	Designation	Article	Description
	50112892	MA 208i Ethernet Gateway	Modular connection unit	Supply voltage: 18 ... 30 V Current consumption, max.: 300 mA Interface: Ethernet, RS 232 Connections: 6 Piece(s) Degree of protection: IP 65
	50114154	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

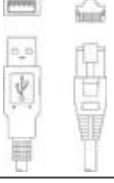
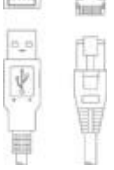
Connection technology - Base stations

	Part no.	Designation	Article	Description
	50130499	Base IT 1452g	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 Degree of protection: IP 41, IP 42

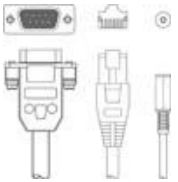
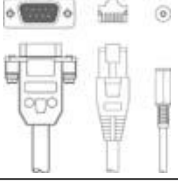
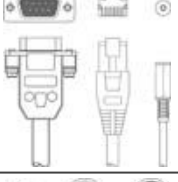
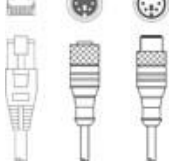
Connection technology - Interconnection cables

	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


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	Part no.	Designation	Article	Description
	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
	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

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