



Part no.: 50141806
IT 1400g PDF-2-USB-KIT
Mobile bar code reader



Figure can vary

Contents

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

Technical data

Basic data

Series	IT14xx
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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 UPC
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Optical data

Reading distance	37 ... 370 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	4 ... 5.5 V, DC
Power consumption, max.	2 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)	66 mm x 43 mm x 180 mm
Housing material	Plastic, UL 94-V0
Net weight	119 g

Environmental data

Ambient temperature, operation	0 ... 40 °C
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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 42
Certifications	c UL US

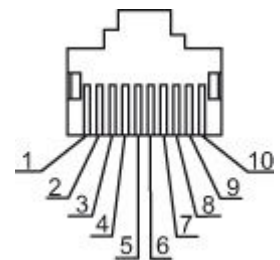
Classification

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

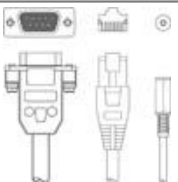
LED	Display	Meaning
1	Green, 1x flashing	Reading successful
	Red	No reading result

Accessories

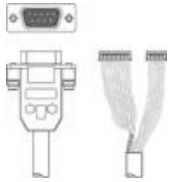
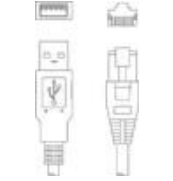
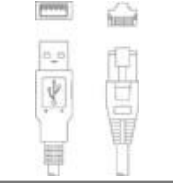
Connection technology - Connection unit

	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 - Interconnection cables

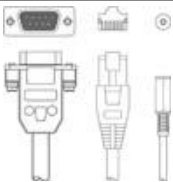
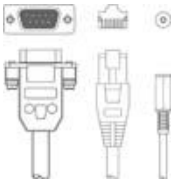
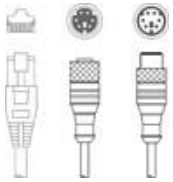
	Part no.	Designation	Article	Description
	50128800	KB 232-3 IT190x	Interconnection cable	Suitable for interface: RS 232, TTL Connection 1: Sub-D, Axial, Female, 9 -pin Connection 2: RJ41 Connection 3: Connector, Pluggable, Axial, Female, 2 -pin Shielded: Yes Cable length: 5,000 mm Sheathing material: PVC

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	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
	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

** Included in delivery contents

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
	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