

Technical data sheet Mobile 2D-code reader

Part no.: 50143599

IT 1470g-2D-2

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For illustration purposes only



Technical data

Basic data

Series	IT147xg
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Read data

Code types, readable	2/5 Interleaved
	Codabar
	Codablock
	Code 128
	Code 39
	Code 93
	Data Matrix Code
	DotCode
	EAN 128
	EAN 8/13
	EAN Addendum
	GS1 Databar
	GS1 Databar Expanded
	GS1 Databar Limited
	GS1 Databar Omnidirectional
	GS1 Databar Stacked
	GS1 Databar Truncated
	PDF417
	QR code
	UPC

Optical data

Reading distance	5 ... 400 mm
Light source	LED, Red
LED group	1
Camera resolution, horizontal	1,040 px
Camera resolution, vertical	720 px
Bar code contrast (PCS)	35 %
Modulus 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
RS 232 Function	Process

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)	62 mm x 169 mm x 82 mm
Housing material	Plastic
Plastic housing	UL 94-V0
Net weight	130 g

Environmental data

Ambient temperature, operation	0 ... 50 °C
Ambient temperature, storage	-40 ... 60 °C
Relative humidity (non-condensing)	0 ... 95 %
Drop height	1.8 m
Measurements relative to	Concrete floor

Certifications

Degree of protection	IP 40
Approvals	c UL US

Classification

Customs tariff number	84719000
ECLASS 5.1.4	27280101
ECLASS 8.0	27280101
ECLASS 9.0	27280103
ECLASS 10.0	27280103
ECLASS 11.0	27280103
ECLASS 12.0	27280103
ECLASS 13.0	27280103
ECLASS 14.0	27280103
ECLASS 15.0	27280103
ECLASS 16.0	27280103
ETIM 5.0	EC002550
ETIM 6.0	EC002999
ETIM 7.0	EC002999
ETIM 8.0	EC002999
ETIM 9.0	EC002999
ETIM 10.0	EC002999
UNSPSC 26.08	43211701

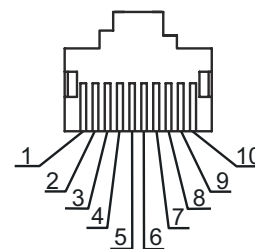
Electrical connection

Connection 1

Function	Configuration interface
	Data interface
	Service interface
Type of connection	RJ41

Electrical connection

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



Diagrams

Typical reading behavior

	A [mil]	B [mm]	C [mm]	D [mm]
Code 39	5	0,127	20	205
UPC/EAN 13	13	0,33	18	400
PDF 417	6,7	0,169	15	185
Data Matrix Code	10	0,254	10	165
QR Code	20	0,508	5	325

A Module size [mil]
 B Modulus size [mm]
 C From [mm]

D To [mm]
ATTENTION Please observe the note below regarding the reading distances.
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Operation and display

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

Accessories

Connection technology - Connection unit

Part no.	Designation	Article	Description
50112891	MA 248i Profinet Gateway	Modular connection unit	Supply voltage: 18 ... 30 V, DC Current consumption, max.: 300 mA Interface: RS 232, PROFINET Connections: 6 Piece(s) Degree of protection: IP 65



Accessories

Connection technology - Interconnection cables

	Part no.	Designation	Article	Description
	50113397	KB JST-HS-300	Interconnection cable	Application: Chemical resistant Suitable for interface: RS 232 Connection 1: JST ZHR connector Connection 2: Sub-D, Axial, Male, 9 -pin Shielded: Yes Cable length: 300 mm Sheathing material: PUR

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: RJ41 Connection 2: Sub-D, Axial, Female, 9 -pin Connection 3: Connector, Pluggable, Axial, Female, 2 -pin Shielded: Yes Cable length: 3,000 mm Sheathing material: PVC

Mounting technology - Other

	Part no.	Designation	Article	Description
	50120444	BT Wallholder HS65x8	Wall mount	Design of mounting device: Wall mounting Fastening, at system: Through-hole mounting Mounting bracket, at device: insertable Material: Plastic

Note



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