



IT 4600/4800

2D-code hand-held scanner

Part No. 501 03620



- Hand-held scanner for Data-Matrix Codes and Bar Codes
- Large reading field for the detection of high-contrast codes
- Robust trigger button
- Built-in decoder
- Read-display
- RS 232, USB and PS/2 interface
- Operating temperature from 0 through 50°C



We reserve the right to make changes • db_IT4600_4800_e.fm

Accessories

- **RS 232 cable/ext IT 4xxx**
Part No. 501 03413
- **RS 232 cable/PIN 9 IT 4xxx**
Part No. 501 03412
- **PS/2 cable for IT 4xxx** Part No. 501 03409
- **USB cable for IT 4xxx** Part No. 501 03404
- **Power supply unit for IT 4xxx** Part No. 501 03403
- **Support for IT 4xxx** Part No. 501 03402

Dimensioned drawing

Electrical connection

for RS 232 cable / ext.

9-pin Sub-D	Signal	Connection for power supply unit	IT 4600/4800 RJ41
SH	Shield	SH	2
2	TXD		6
3	RXD		5
5	GND	1	4
7	CTS		9
8	RTS		8
	5VDC	2	7

for RS 232 cable / PIN 9

9-pin Sub-D	Signal	IT 4600/4800 RJ41
SH	Shield	2
2	TXD	6
3	RXD	5
5	GND	4
7	CTS	9
8	RTS	8
9	5VDC	7

for USB cable

USB type A	Signal	IT 4600/4800 RJ41
1	5VDC	9
2	Data -	10
3	Data +	2
4	GND	4

for PS/2 cable

Mini DIN connector	Mini DIN socket	Signal	IT 4600/4800 RJ41
1	-	PC Data	6
2	2	NC	
3	3	GND	4
4	4	5VDC	7
5	-	PC Clock	5
6	6	NC	
-	1	KB Data	8
-	5	KB Clock	9



Specifications

Electrical data

Operating voltage U_B 4.5 ... 12VDC
Power consumption max. 1.8W

Interfaces

Interface type RS 232, PS/2 and USB
Trigger via button or serial command

Code types

2D codes Data Matrix ECC 200, MaxiCode, PDF417, MicroPDF, QR Code, Aztec, Aztec Mesas, Code 49, EAN/UCC Composite
Bar codes 2/5 Interleaved, Code 39, Code 128, Code 93, Codabar, UPC/EAN, RSS, Codablock
OCR OCR-A, OCR-B

Optical data

Optical system high-resolution pixel array 640x480
Contrast 45% (black/white)
Light source integrated diffuse LED 626nm
Read distance 36 ... 315mm
Read direction omnidirectional, various tilt and rotational angles up to 45°

Mechanical data

Housing	IT 4600	IT 4800
Weight	UL94V0 grade	UL94V0 grade
Dimensions	184g (without cable)	213g (without cable)
Shock resistance	157x135x81 mm	163x135x81 mm
	50 falls from a height of 1.8m	50 falls from a height of 2m

Environmental data

Ambient temp. (operation) 0°C ... +50°C
Relative air humidity 0 ... 95% (non-condensing)
Protection class IP 41 IP 54

Reading field

IT 4600/4800 SR	Module or cell	from	to
Bar codes	8mil / 0.20mm	74mm	178mm
UPC bar code	13mil / 0.33mm	48mm	302mm
PDF 417 Code	6.6mil / 0.17mm	99mm	145mm
	10mil / 0.25mm	64mm	213mm
Data Matrix Code	15mil / 0.38mm	79mm	150mm
Maxi Code	35mil / 0.89mm	36mm	315mm

IT 4600/4800 SF	Module or cell	from	to
Bar codes	7.5mil / 0.19mm	48mm	150mm
UPC bar code	13mil / 0.33mm	43mm	213mm
PDF 417 Code	6.6mil / 0.17mm	56mm	137mm
	10mil / 0.25mm	36mm	178mm
Data Matrix Code	10mil / 0.25mm	43mm	137mm
Maxi Code	10mil / 0.25mm	43mm	137mm

Order guide

2D-code hand-held scanner (standard range)

		Part No.
IT 4600 SR031C	IT 4600 SR with RS 232 interface	501 03410
IT 4600 SR051C	IT 4600 SR with PS/2 and USB interface	501 03408
IT 4800 SR031C	IT 4800 SR with RS 232 interface	501 03405
IT 4800 SR051C	IT 4800 SR with PS/2 and USB interface	501 03416

2D code hand-held scanner (special focus for small codes)

		Part No.
IT 4600 SF031C	IT 4600 SF with RS 232 interface	501 03407
IT 4600 SF051C	IT 4600 SF with PS/2 and USB interface	501 03406
IT 4800 SF031C	IT 4800 SF with RS 232 interface	501 03415
IT 4800 SF051C	IT 4800 SF with PS/2 and USB interface	501 03414

Tables

Diagrams

Remarks

Ergonomically shaped hand-held scanner with integrated decoder for high-contrast codes.

Data transmission via configurable RS 232 interface.

Or keyboard-wedge operation via PS/2 or USB interface.