

TECHNICAL DATASHEET



iSCAN 102

Handheld cabled barcode scanner for Zone 2 and 22 hazardous areas

Variants to read all standard 1D, 2D, and stacked PDF barcodes

ATEX and IECEx Zone 2 and 22 certified

RS232/RS422 or USB interface options

IP65 fully rugged

Lightweight and easy to handle with ergonomic grip

Visual, audio, and vibration feedback for user

High speed scanning, up to 500 scans per second

Wider scan line and long reading distance for easy use

Works effectively in bright sunlight, up to 100,000 lux

Variety of accessories available

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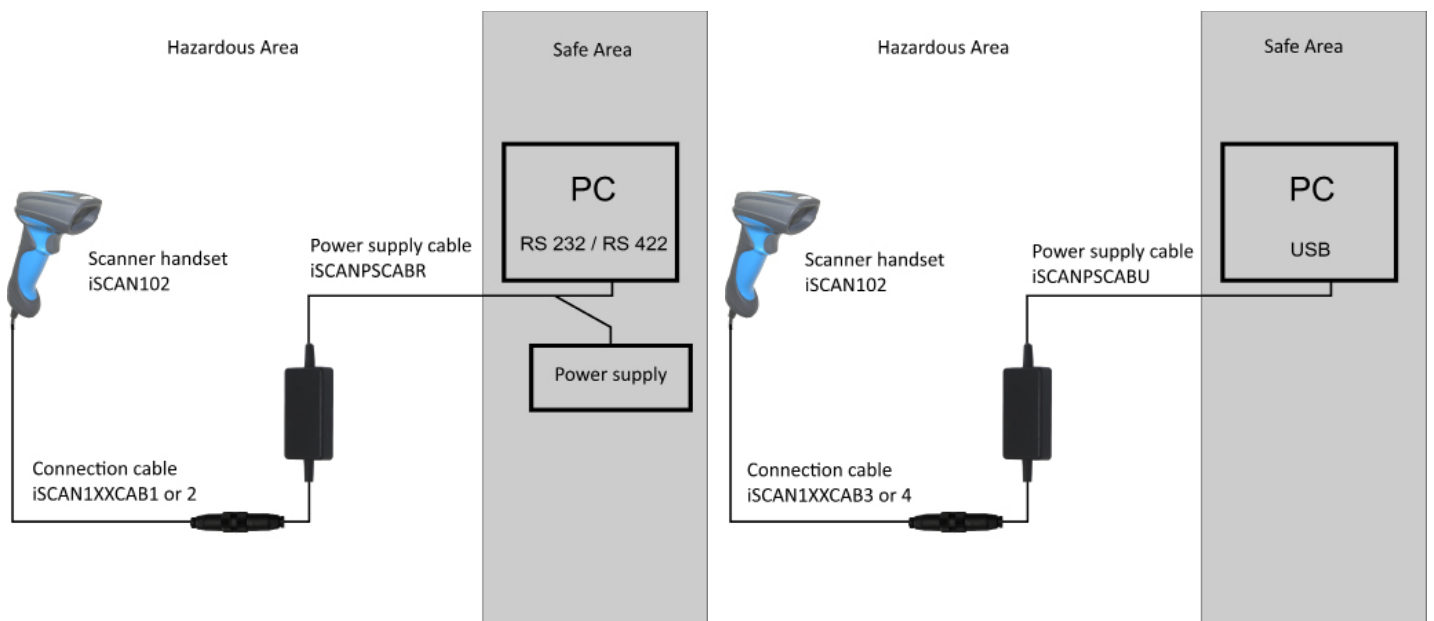
CODE TYPES



<p>iSCAN102 Reads standard 1D barcodes</p>	<p>Codabar, Code 39, Code 32, UPC-A, UPC-E, Standard and Industrial 2 of 5, Interleaved & Matrix 2 of 5, Code 128, UCC/EAN-128, Code 11, Code 93, German ITF Postal Code, Mainland China Postal Code, Telepen, MSI/Plessey, UK/Plessey, Limited/Expanded GSI DataBar</p>
<p>iSCAN102PDF Reads standard 1D and stacked PDF barcodes</p>	<p>1D barcode types: Codabar, Code 39, Code 32, UPC-A, UPC-E, Standard and Industrial 2 of 5, Interleaved & Matrix 2 of 5, Code 128, UCC/EAN-128, Code 11, Code 93, German ITF Postal Code, Mainland China Postal Code, Telepen, MSI/Plessey, UK/Plessey, Limited/Expanded GSI DataBar</p> <p>Stacked PDF barcode types: Composite, PDF147, MicroPDF417, Codablock F</p>
<p>iSCAN1022D Reads standard 1D, stacked PDF and 2D barcodes</p>	<p>1D barcode types: Code 39, Code 39 Trioptic, Code 32, Code 93, Code 11, Codabar, Code 128, GSI-128 / EAN 128, UPC / EAN / JAN (with addition), MSI/Plessey, UK/Plessey, IATA, Interleaved 2 of 5, Standard and Industrial 2 of 5, Matrix 2 of 5, Telepen, GSI DataBar, Australian Post, China Post, German Post, US Planet, US Postnet, British Post, Intelligent Mail, Japan Post, Korean Post, Dutch KIX Post</p> <p>Stacked PDF barcode types: PDF417, MicroPDF417, Code 49, Code 16K, Composite, Codablock F</p> <p>2D barcode types: Data Matrix, QR Code, MicroQR-Code, Aztec, MaxiCode</p>

SYSTEM ASSEMBLY

The iSCAN102 was designed for use in ATEX and IECEx Zone 2 and 22 hazardous areas. Normal operation requires a power supply cable/module (iSCANPSCABx) and a connection cable between the power supply cable/module and the scanner handset (iSCAN1XXCABx).



SPECIFICATION



Certification	iSCAN102 and iSCAN102PDF: II 3G Ex ic IIC T4 Gc II 3D Ex ic IIIC T135°C Dc iSCAN1022D: II 3G Ex ic IIB T4 Gc II 3D Ex ic IIIC T135°C Dc
Dimensions	H185 x L104 x W76 mm
Weight	200g (handset without cable)
Ingress protection	IP65
Ambient operating temperature	-20°C to +50°C
Storage temperature	-30°C to +70°C
Humidity	± 95 %, non condensing
Ambient light resistance	100,000 lux
Scanning frequency	iSCAN102 and iSCAN102PDF: 500 Hz iSCAN1022D: 60 Hz
Light source	Visible red light 630 nm
Reading distance	iSCAN102 and iSCAN102PDF: 20 to 850 mm iSCAN1022D: 30 to 400 mm
User feedback signals	2 LEDs (operation status and read feedback) Audio beeper Vibration
Interface	RS232/RS422 or USB
Cable length	1.8 m or 3.8 m depending on cable chosen Extension cables also available
Operating voltage	5V, supplied via iSCANPSCABR or iSCANPSCABU
Required accessories	+ compatible cable to connect handset to power supply (iSCAN1XXCABX) + compatible power supply cable / module (iSCANPSCABR or iSCANPSCABU) <i>for details of options, please see Ordering Information</i>



ORDERING INFORMATION



Handsets

ISCAN102

iSCAN102 handheld cabled scanner, handset only, reads 1D barcodes, RS232/RS422 and USB options, Zone 2/22 certified

ISCAN102PDF

iSCAN102 handheld cabled scanner, handset only, reads 1D and stacked PDF barcodes, RS232/RS422 and USB options, Zone 2/22 certified

ISCAN1022D

iSCAN102 handheld cabled scanner, handset only, reads 1D, stacked PDF, and 2D barcodes, RS232/RS422 and USB options, Zone 2/22 certified

Cable to connect handset to power supply

ISCAN1XXCAB1

Scanner cable, RS232, 1.8 m

ISCAN1XXCAB2

Scanner cable, RS232, spiral, 3.8 m

ISCAN1XXCAB3

Scanner cable, USB 1.8 m

ISCAN1XXCAB4

Scanner cable, USB, spiral, 3.8 m

Power supply cable/module

ISCANPSCABR

Power supply cable/module, 3 m, DC 24V (8-30V), RS232, Zone 2/22

ISCANPSCABU

Power supply cable/module, 3 m, DC 5V, USB, Zone 2/22 (supply from PC)

OPTIONAL ACCESSORIES:

Stands

ISCANSTRI

Tripod stand for all iSCAN1xx and iSCAN2xx variants

ISCANSTAB

Tabletop stand for all iSCAN1xx and iSCAN2xx variants

Extension cables (RS232 only)

ISCANCC1

Extension cable with male connector, 6 m, Zone 1

ISCANCC2

Extension cable with male connector, spiral, 4.5 m, Zone 1

Please note that these extension cables may only be used with iSCAN1XXCAB1 or iSCAN1XXCAB2 options (RS232).