iSCAN201 2D Bluetooth Handheld Barcode Scanner

- Reads all standard 1D, 2D, and stacked PDF barcodes
- ATEX / IECEx Zones 1, 2, 21, and 22 certified
- RS232/422 or USB interface
- IP65 fully ruggedised

Maximum mobility
Read barcodes wherever you need with wireless operation and Bluetooth link. Hazardous area recharging is also available, helping the iSCAN2012D fit seamlessly with your work patterns

Increased productivity and throughput with high speed scanning
The iSCAN2012D records barcodes quickly and accurately, reaching speeds of up to 60 scans per second.

Easy to use
Ergonomic grip and lightweight, well balanced body make the iSCAN2012D easy to carry with you.

Read feedback
Visual, audio, and vibration feedback lets the user know when a scan is successful, even in noisy industrial environments.

Highly reliable
No need to worry about dropping the scanner; rigorously tested, the iSCAN2012D can withstand 50 drops onto concrete from a height of 2m.

Great for hard to reach locations
The scan line is wider than conventional laser scanners, making it easier to see. Combined with the long reading distance, this makes it simple to read barcodes, even in awkward areas. The iSCAN2012D also works effectively in bright sunlight, up to 100,000 lux.

Code types read by the iSCAN2012D:

Bar code types:
Code 39, Code 39 Trioptic, Code 32, Code 93, Code 11, Codabar, Code 128, GS1-128 / 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, GS1 DataBar, Australian Post, China Post, German Post, US Planet, US Postnet, British Post, Intelligent Mail, Japan Post, Korean Post, Dutch KIX Post

Stacked code types:
PDF417, MicroPDF417, Code 49, Code 16K, Composite, Codablock F

2D code types:
Data Matrix, QR Code, MicroQR-Code, Aztec, MaxiCode

Specification

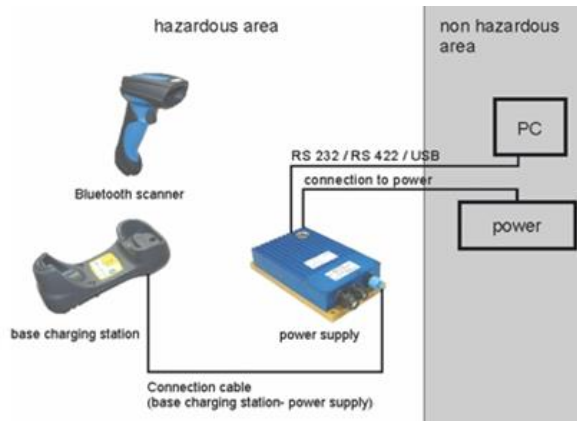|	
Certification	⚙ II 2G Ex ib IIB T4 ⚙ II 2G Ex ib IIB T4 Gb ⚙ II 2D Ex ib IIIC T135°C ⚙ II 2D Ex ib IIIC T135°C Db
Dimensions	H185 x L104 x W76 mm
Weight	260g (including battery)
Ingress protection	IP65
Bluetooth	V4.0, 2.402 ... 2.4830 GHz Wireless operating range up to 100 m (free view), batch function for expansion of the wireless radius, up to seven scanners communicate with one base station
Ambient operating temperature	-20°C to +50°C
Humidity	± 95 %, non condensing
Ambient light resistance	100,000 lx
Scanning frequency	60 Hz
Light source	Visible red light 630 nm
Reading distance	30 mm to 380mm
User feedback signals	2 LEDs (operation status and read feedback) Audio beeper Vibration
Base station interface	RS232/RS422 or USB
Battery	Lithium-ion battery, 3.6V, 2250mAh
Operating voltage	4.9V, supplied via iSCANPS

Required accessories

+ compatible base station or charging station (if connecting the Bluetooth scanner to an alternative Bluetooth device e.g. tablet, a base station may not be required. However, a charging station is still necessary. A base station also acts as a charging station)

+ compatible power supply (iSCANPS if using the base station in the hazardous area; iSCAN2xxBLP if using a base or charging station in the safe area)

+ compatible cable to connect base station to power supply

System assembly

Hazardous area charging:

This assembly requires a base station (iSCAN201EXB2D), a power supply (iSCANPS), a connection cable between the two (iSCAN2XXCAB5, 6, 7, 8, 9, or 10), and connections between the power supply and a PC (not supplied by Extronics).

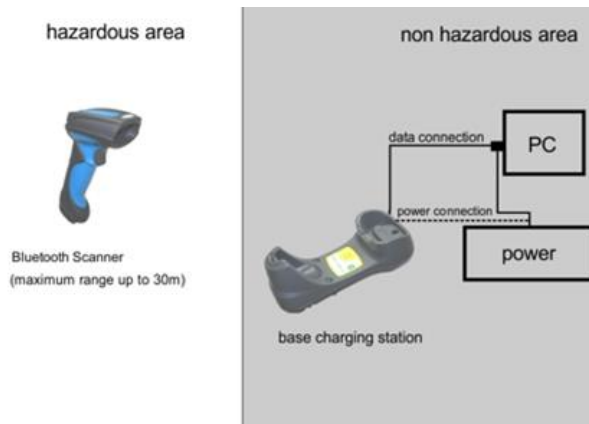External connection cable requirements:
Data cable

USB: 0.2 – 2.5 mm^2, 4-wire

RS232: 0.2 – 2.5 mm^2, 3-wire

Power supply cable

0.2 – 2.5 mm^2, 3-wire

Safe area charging:

This assembly requires a non-Ex base or charging station (iSCAN201B2D or BNOBT2D).

If connecting the base or charging station to a PC via USB, the USB cable (iSCAN2XXCAB3 or 4) can provide both data and power connections in one cable.

If connecting the base or charging station to a PC via RS232 (iSCAN2XXCAB1 or 2), this can only support data. The base or charging station will require an additional power connection (iSCAN2XXBLP).

Ordering Information

iSCAN201 Bluetooth handheld scanner, battery included, Zone 1. Reads 1D, Stacked PDF, and 2D barcodes.   ISCAN2012D

Hazardous area charging:

Base station:

iSCAN2012D base station, without cable, Zone 1   ISCAN201EXB2D

Power supply:

Power supply module, DC 24V, RS232, Zone 1	ISCANPS1
Power supply module, DC 24V, USB, Zone 1	ISCANPS2
Power supply module, AC 230V, RS232, Zone 1	ISCANPS3
Power supply module, AC 230V, USB, Zone 1	ISCANPS4

For more information on the power supply modules, please see the iSCANPS datasheet.

Cable to connect base station and power supply:

Base station connection cable, RS232, 1.8m, Zone 1	iSCAN2XXCAB5
Base station connection cable, RS232, spiral, 3.8m, Zone 1	iSCAN2XXCAB6
Base station connection cable with voltage inhibitor, RS232, 1.8m, Zone 1	iSCAN2XXCAB7
Base station connection cable with voltage inhibitor, RS232, spiral, 3.8m, Zone 1	iSCAN2XXCAB8
Base station connection cable, USB, 1.8m, Zone 1	iSCAN2XXCAB9
Base station connection cable, USB, spiral, 3.8m, Zone 1	iSCAN2XXCAB10

Safe area charging:

Base or charging station:

iSCAN2012D base station, without cable, non-Ex	ISCAN201B2D
iSCAN2012D charging station, without Bluetooth, without cable, non-Ex	ISCAN201BNOBT2D

Cable to connect base or charging station and PC:

Base station connection cable, RS232, 1.8m	iSCAN2XXCAB1
Base station connection cable, RS232, spiral, 3.8m	iSCAN2XXCAB2
Base station connection cable, USB, 1.8m	iSCAN2XXCAB3
Base station connection cable, USB, spiral, 3.8m	iSCAN2XXCAB4

Power supply for base or charging station (required for RS232):

Power supply for base or charging station, DC 5V, non-Ex	ISCAN2XXBLP

Accessories:

Spare lithium ion battery for iSCAN2012D, Zone 1	ISCAN2XXBATT

Stands:

Tripod stand for iSCAN101 and 2x1	ISCANSTRI
Tabletop stand for iSCAN101 and 2x1	ISCANSTAB

Extension cables (RS232 only):

Extension cable with male connector, 6m, Zone 1	ISCANCC1
Extension cable with male connector, spiral, 4.5m, Zone 1	ISCANCC2

Please note that these extension cables may only be used with iSCAN2XXCAB1, 2, 5, 6, 7 or 8 options