TECHNICAL DATASHEET

GLACIER
COMPUTER

iSCAN 211

Handheld Bluetooth barcode scanner for Zone 1 and 21 hazardous areas

Use alongside a base station, smartphone, or tablet with wireless Bluetooth link

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

ATEX and IECEx Zone 1 and 21 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

1D barcode 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 PDF barcode types	PDF417, MicroPDF417, Code 49, Code 16K, Composite, Codablock F
2D barcode types	Data Matrix, QR Code, MicroQR-Code, Aztec, MaxiCode

SYSTEM ASSEMBLY

Hazardous area charging:

This assembly requires a base station (iSCAN211EXB3), a power supply (iSCANPSx), a connection cable between the two (iSCAN2XXCAB5, 6, 9, or 10), and connections between the power supply and a PC (not supplied by Extronics).

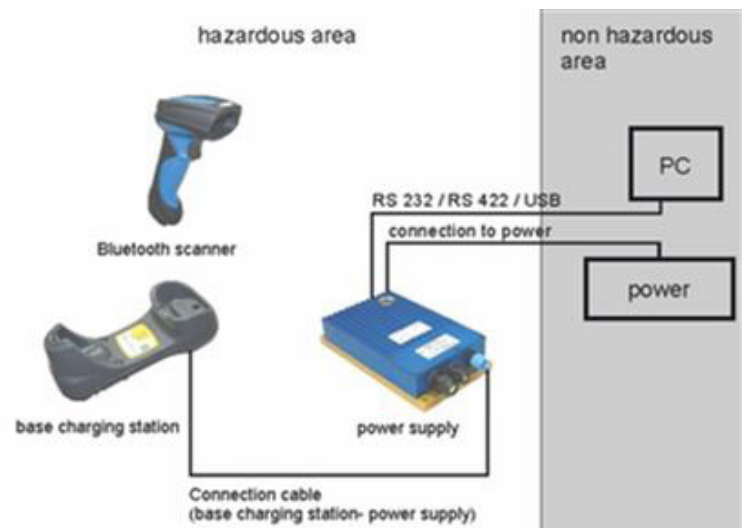External connection cable requirements:

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

For technical information on the iSCANPS, please refer to the product manual
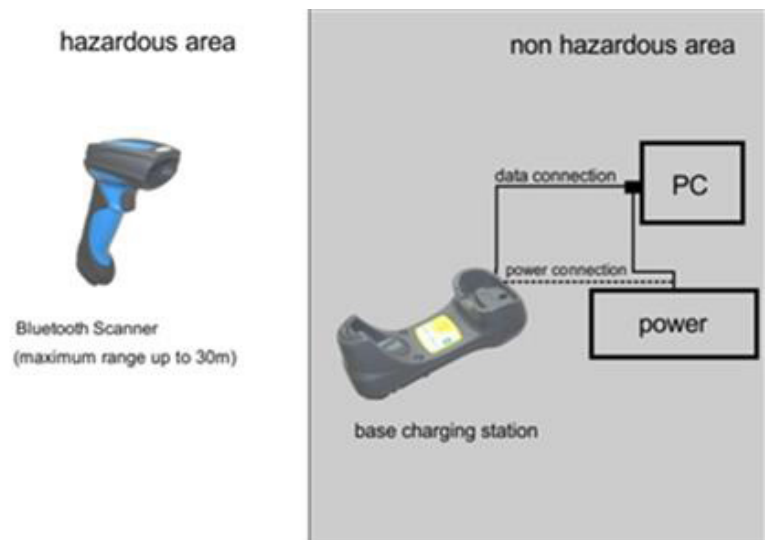
Safe area charging:

This assembly requires a non-Ex base or charging station (iSCAN211B3 or iSCAN211BNOBT3).

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).

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Certification	**iSCAN211, iSCAN211PDF:** ⟨Ex⟩ II 2G Ex ib IIB T4 Gb, ⟨Ex⟩ II 2D Ex ib IIIC T135°C Db **iSCAN2112D:** ⟨Ex⟩ II 2G Ex ib op is IIB T4 Gb, ⟨Ex⟩ II 2D Ex ib op is IIIC T135°C Db
Dimensions	H185 x L104 x W76 mm
Weight	260g (handset including battery)
Ingress protection	IP65
Ambient operating temperature	-20°C to +50°C
Humidity	± 95 %, non condensing
Ambient light resistance	100,000 lux
Bluetooth	V4.0, 2.402 ... 2.4830 GHz Wireless operating range up to 100 m (line of sight), batch function to expand wireless radius, up to seven scanners communicate with one base station
Scanning frequency	**iSCAN211 and iSCAN211PDF:** 500 Hz **iSCAN2112D:** 60 Hz
Light source	Visible red light 630 nm
Reading distance	**iSCAN211 and iSCAN211PDF:** 20 to 850 mm **iSCAN2112D:** 30 to 400 mm
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, ≤ 1500mAh
Operating voltage	4.9V, supplied via iSCANPSx
Required accessories	+compatible base 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 cable to connect base station to power supply (iSCAN2XXCABX) + compatible power supply (iSCANPSx if using the base station in the hazardous area; iSCAN2xxBLP if using a base/charging station in the safe area) *For details of options, please see Ordering Information*

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