TECHNICAL DATASHEET

GLACIER COMPUTER

iSCAN 101 & 111

Handheld cabled barcode scanner for Zone 1 and 21 hazardous areas

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

ATEX and IECEx Zone 1, 2, 21, and 22 certified

RS232/RS422 or USB interface options

IP65 fully rugged

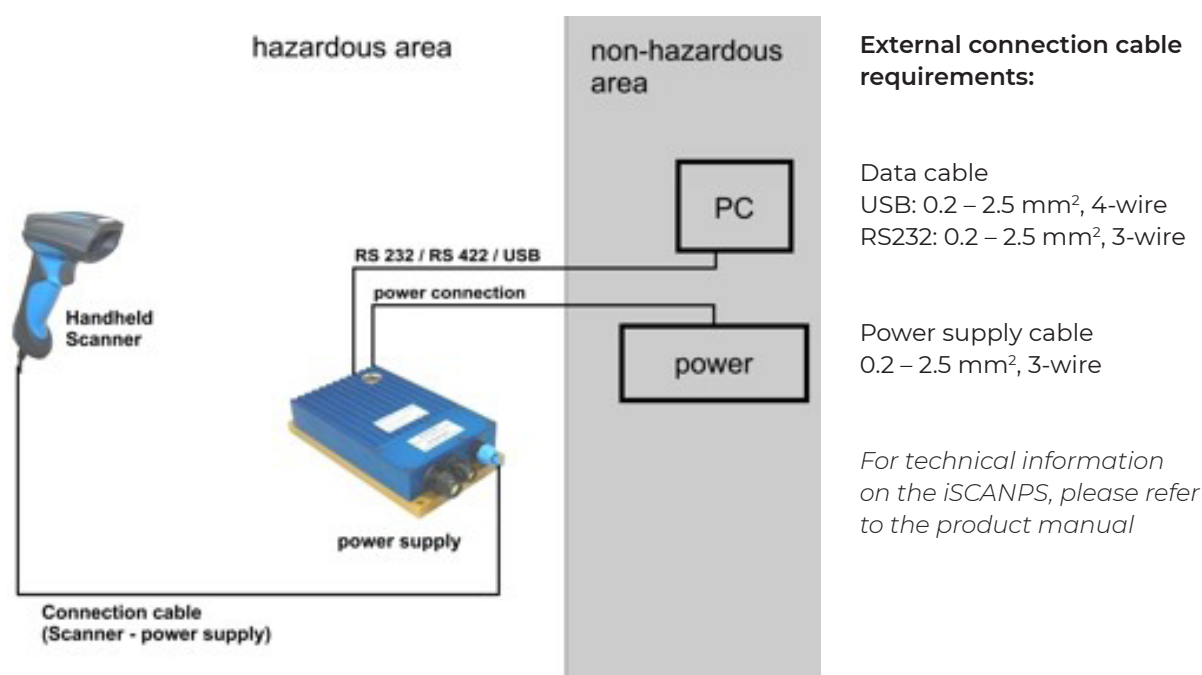|	
Lightweight and easy to handle with ergonomic grip	Visual, audio, and vibration feedback for user
High speed scanning, up to 500 scans per second	Wider scan line and long reading distance for easy use
Works effectively in bright sunlight, up to 100,000 lux	Variety of accessories available

CODE TYPES

iSCAN101 Reads standard 1D barcodes	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 GS1 DataBar
iSCAN101PDF Reads standard 1D and stacked PDF barcodes	**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 GS1 DataBar **Stacked PDF barcode types:** Composite, PDF147, MicroPDF417, Codablock F
iSCAN1112D Reads standard 1D, stacked PDF and 2D barcodes	**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

The iSCAN101 and iSCAN1112D were designed for use in ATEX and IECEx Zone 1 and 21 hazardous areas. Normal operation requires a power supply (iSCANPSx), a connection cable between the power supply and the scanner handset (iSCAN1XXCABx), 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

SPECIFICATION

Certification	**iSCAN101 and iSCAN101PDF:** ⟨Ex⟩ II 2G Ex ib IIC T4 Gb ⟨Ex⟩ II 2D Ex ib IIIC T135°C Db **iSCAN1112D:** ⟨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	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	**iSCAN101 and iSCAN101PDF:** 500 Hz **iSCAN1112D:** 60 Hz
Light source	Visible red light 630 nm
Reading distance	**iSCAN101 and iSCAN101PDF:** 20 to 850 mm **iSCAN1112D:** 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	**iSCAN101 and iSCAN101PDF:** 4.9V, supplied via iSCANPS1-4 **iSCAN1112D:** 5.3V, supplied via iSCANPS5-8
Required accessories	+ compatible cable to connect handset to power supply (iSCAN1XXCABx) + compatible power supply (iSCANPSCABx) *for details of options, please see Ordering Information*