



DUAL-MODE.
DEPENDABLE.

The DELMONIX DX430BT is a 2D 2.4G + Bluetooth wireless barcode scanner built for retail counters, restaurants, and small-business checkouts that need flexible, cordless data capture. Its high-resolution CMOS imaging engine reads a wide range of 1D and 2D barcodes accurately and quickly, while a 2200 mAh battery and one-click cradle pairing keep it ready for a full shift of continuous scanning.



1D & 2D
DECODING



100 M WIRELESS
RANGE



2200 MAH
BATTERY



1.5 M DROP-
RESISTANT

KEY FEATURES



Dual wireless connectivity — 2.4G + Bluetooth (HID/BLE), plus USB-HID/USB-COM via the charging base.



Broad symbology support — reads 19+ 1D barcode types and 9 2D barcode types.



Extended wireless range — up to 100 meters in open environments.



High-capacity 2200 mAh lithium battery — up to 7 hours continuous use / ~25,000 scans per charge.



One-click pairing — place the scanner on the cradle and press the pairing button.



Rugged ABS + PC housing — withstands multiple 1.5 m drops to concrete.



Wide environmental tolerance — operates from -20°C to 50°C, in ambient lighting up to 100,000 lux.

APPLICATIONS



Retail
POS checkout and billing



Restaurant & Hospitality
Order-taking, menu and receipt barcode scanning



Small Business Counters
Flexible cordless scanning for compact checkout spaces



Light Warehousing
Cordless picking and stock checks within cradle range

PRODUCT VIEWS



Wireless Range
Up to 100 m



Wide Compatibility
1D & 2D



2200 mAh Battery
25,000 scans per charge



Drop Resistance
1.5 m to Concrete

GENERAL INFORMATION

Model	DX430BT
Product Type	2D 2.4G + Bluetooth Wireless Handheld Barcode Scanner
Connectivity	Wireless (2.4G + Bluetooth), USB base
Operation	Cordless with multifunctional charging cradle
Transmission Distance	Up to 100 meters (open distance)
Scan Capability	1D & 2D; Manual / Continuous / Auto-inductive scanning
Image Sensor	Image CMOS, 1280 × 800 resolution
Light Source	White illumination light, green aiming light
Error Rate	Less than 1 / 5,000,000

OPTICAL & SCANNING PERFORMANCE

Scan Angle	Skew ±65°, Roll 360°, Pitch ±65°
Contrast	≥ 20%
Depth of Field	See Typical Decode Range

SUPPORTED BARCODE SYMBOLOGIES

1D Codes	Code 128, EAN-13, EAN-8, UPC-E, UPC-A, ISBN, ISSN, Code 11, Interleaved 2 of 5, Code 39, Code 93, Code 32, Codabar, Matrix 2 of 5, Industrial 2 of 5, IATA 2 of 5, MSI Plessey, GS1 DataBar, Plessey, Febraban
2D Codes	QR Code, Micro QR Code, Data Matrix, PDF417, Micro PDF417, Aztec Code, MaxiCode, DotCode, Composite Code

TYPICAL DECODE RANGE

Barcode	Distance
Code 128 (5 mil)	30–140 mm
EAN-13 (13 mil)	30–260 mm
QR Code (15 mil)	30–220 mm
Code 39 (5 mil)	40–160 mm

INTERFACE

Communication Interface	USB-HID, USB-COM (via base)
Wireless Connectivity	2.4G wireless + Bluetooth (HID, BLE mode)
Pairing Mode	One-click pairing via cradle button

BATTERY & POWER

Battery Capacity	2200 mAh lithium
Scan Capacity	Up to 25,000 scans per charge
Continuous Working Time	1s per scan; ~7 hours endurance
Charging Time	5–6 hours
Charging Mode	Direct charging via cradle
Voltage	DC 5V ±5%
Working Current	170 mA
Standby Current	0 mA

PHYSICAL SPECIFICATIONS

Dimensions	164.5 × 83.6 × 69 mm
Material	ABS + PC
Cable	1.5 m (±0.1 m)

ENVIRONMENTAL & DURABILITY

Operating Temperature	-20°C to 50°C
Storage Temperature	-40°C to 70°C
Relative Humidity	5%–95% (non-condensing)
Ambient Lighting	0–100,000 LUX
Drop Resistance	Withstands multiple 1.5 m drops to

