



Robust hybrid scanner for RFID and barcode applications



Hybrid scanner for UHF RFID and barcodes

Reads both printed barcodes and UHF RFID tags - ideal for businesses with a mixed infrastructure



Extreme robustness for industrial applications

Shock-resistant up to 2.5 m drop height, IP65/IP67-protected against dust and water, withstands temperatures from -20 to +50 °C



Wireless freedom with Bluetooth and wireless charging

Up to 100 m range with Bluetooth 5.0, 80,000 scans per charge, contactless charging without wear and tear



Optimum feedback for the operator

3 green LEDs, acoustic signal and vibration ensure clear scan feedback - even in noisy environments



Modular interfaces for easy integration

USB, RS-232, Ethernet and ProfiNet base stations available - ideal for direct connection to ERP, WMS or control systems

Features

Readable codes: RFID (UHF, ISO 18000-6C), 1D/2D/stacked codes, OCR, Digimarc

Read distance: barcode up to 1.75 m, RFID up to 1 m

Targets: LED area marker

Feedback: 3 green LEDs, beeper, vibration, green spot

Connectivity: Bluetooth 5.0, base station: USB, RS-232, Ethernet, Profinet

Additional features PBT9600-DKDCRF: photo function, OCR, 1.8" OLED display, keypad

Battery: up to 80,000 barcode scans, wireless charging

Protection: IP65, IP67, cradle IP65, drop-proof up to 2.5 m

Operating temperature: -20 °C to +50 °C

Dimensions: 198 x 150 x 79 mm

Weight: 415/455 g

Optional accessories

Base stations (various interfaces)

Bracket (table/wall)

2-/4-fold battery charger

Spare battery

Datalogic PowerScan 9600 RFID

WIRELESS COMMUNICATIONS

Powerscan PBT9600 RFID	Bluetooth Wireless Technology Radio Frequency: 2.4 GHz; Profiles: SPP (Serial Port Profile) and HID (Human Interface Device); Protocol: Bluetooth 5.0 Certified. Class 1, Class 2 and Class 3; Radio Range (Open Air): 100.0 m / 328.0 ft; Range distances are measured using the base station. Data Rate: 3 Mbit/s (2.1 Mbit/s). Security: Data Encryption; Scanner Authentication
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RFID

Standard	EPC UHF Class 1 Gen 2 (ISO 18000-6C)
Frequency	US: 902 MHz to 928 MHz EU: 865 MHz to 868 MHz
Modulation	ASK
Power	Max 20dBm (configurable)
Reading Range	Up to 1 m / 3.2 ft (linear)

DECODING CAPABILITY

1D / Linear Codes	Auto discriminates all standard 1D codes including GS1 DataBar™ linear codes.
2D Codes	Aztec Code; China Han Xin Code; Data Matrix; MaxiCode; Micro QR Code; QR Code; Dot Code
Postal Codes	Australian Post; British Post; China Post; IMB; Japanese Post; KIX Post; Planet Code; Postnet; Royal Mail Code (RM4SCC)
Stacked Codes	EAN/JAN Composites; GS1 DataBar Composites; GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional; MacroPDF; MicroPDF417; PDF417; UPC A/E Composites
Digital Watermarking	Digimarc Barcodes

ELECTRICAL

Current	Max operating current 1400 mA @ 3.7 V. Charging (Typical) < 15 W. Cradle BC96xx only: 150 mA @ 5 V (Operative)
Input Voltage	Host powered: 5V DC ± 5% or 10 - 30 VDC External power supply: 10 - 30 VDC ± 5%
Battery	Battery Type: Lithium-Ion: 3350 mAh Charge time @ 12 VDC: 2.5 hours to charge up to 95%, 3.2 hours to charge 100%. External Power. Barcode reads per charge: up to 80,000 RFID only reads per charge: up to 40,000

ENVIRONMENTAL

Ambient Light	0 - 100,000 lux
Drop Resistance	Withstands 50 drops from 2.5 m / 8.2 ft @ 20 °C / 68 °F; Withstands 50 drops from 2.0 m / 6.6 ft @ -20 °C / -4 °
Trigger Resistance	Withstands 10 million hits
ESD Protection (Air Discharge)	20 kV
Humidity (Non-Condensing)	0 - 95%
Particulate and Water Sealing	IP67 and IP65; Cradle IP65 (specific models)
Temperature	Operating: -20 to 50 °C / -4 to 122 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F Charging: 0 to 40 °C / 32 to 104 °F nominal; 0 to 35 °C / 32 to 95 °F ideal

INTERFACES

Interfaces	RS-232 / USB / Ethernet and Industrial Protocols
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PHYSICAL CHARACTERISTICS

Colors Available	Black and Blue
Dimensions H x L x W	19.8 x 15.0 x 7.9 cm / 7.8 x 5.9 x 3.1 in
Display	PBT9600-DKDCRF: 1.8" OLED graphic display; Font Dimensions: User selectable.
Keyboard	PBT9600-DKDCRF: 16 Keys; Configurable
Weight	PBT9600-SRRF: 415 g / 14.6 oz, PBT9600-DKDCRF: 455 g / 16.0 oz

BARCODES READING PERFORMANCE

Imager Sensor	SR (PBT9600-SRRF): 1280 x 800 pixels DC (PBT9600-DKDCRF): dual 1280 x 800 pixels, with color sensor
Light Source	Aiming: 630 - 680 nm VLD Illumination: White LED reading light
Print Contrast Ratio (Minimum)	15%
Reading Angle	Pitch: +/- 52°; Roll (Tilt): 360°; Skew (Yaw): +/- 52°
Field of View	38° H, 24° V
Reading Indicators	Beeper (Adjustable Tone and Volume); Datalogic's 3GL™ (Three Green Lights) technology for good-read feedback; Datalogic 'Green Spot'; Dual Good Read LEDs; Vibration.
Resolution (Maximum)	1D Codes: 3 mil; 2D Codes: 6 mil

READING RANGES

Typical Depth of Field	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent.
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Code 128
5 mils: 6.4 to 30.9 cm / 2.5 to 12.2 in
20 mils: 4 to 103.7 cm / 1.6 to 40.8 in
40 mils: 5.5 to 175 cm / 2.2 to 68.9 in
EAN/UPC 13 mils: 4 to 67.5 cm / 1.5 to 26.5 in
DataMatrix 10 mils: 6 to 30 cm / 2.5 to 11.8 in

SAFETY & REGULATORY

Agency Approvals (US/ Canada and EU)	The product meets necessary safety and regulatory approvals for its intended use. The Regulatory Addendum for this product can be referred to for a complete list of certifications.
Environmental Compliance	Complies to EU RoHS; Complies to R.E.A.C.H.
Laser Classification	Caution Laser Radiation - Do not stare into beam CDRH Class II; IEC 60825 Class 2
LED Classification	IEC 62471 LED Class: Exempt

UTILITIES

Datalogic Aladdin™	Datalogic Aladdin configuration program is available for download at no charge.
OPOS / JavaPOS	OPOS and JavaPOS Utilities are available for download at no charge.

WARRANTY

Warranty	3-Year Factory Warranty
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