POWERSCAN™ RETAIL PBT9500-RT

DATALOGIC

BUILT TO LAST

With the durability of the renowned industrial PowerScan family, the PowerScan imager is now being introduced into the retail sector with a new series of 'Retail' scanners. The PowerScan PBT9500-RT imager is a cordless scanner featuring *Bluetooth*® wireless technology. The rugged mechanics of the PowerScan Retail series guarantees reliable long-term operation in retail activities. Repeated shocks at the POS checkout or outdoor usage do not inhibit the scanner's performance or reliability, protecting the retailer's investment. The IP65 rating further guarantees protection from damages caused by exposure to moisture.

NOW WITH DIGITAL WATERMARKING

Digital watermarked bar codes include the same Global Trade Item Number (GTIN) data contained in the UPC/EAN symbologies, but repetitively distributes the GTIN data across the entire package without altering the packaging aesthetics.

The PowerScan Retail 9500 series is the first handheld series of scanners on the market capable of reading digital watermarks including Digimarc® Barcodes. This new application significantly reduces time at the checkout. Cashiers can scan items quicker without having to hunt for the bar code or lift bulky items from the trolley.

MOBILITY ENHANCES PRODUCTIVITY

The PowerScan PBT9500-RT Retail series can transmit data to the host through its base station as well as to any commercial or embedded *Bluetooth* v2.0 compliant device. Wide radio coverage and the full keypad allow these mobile imagers to be used at the POS checkout as well as for inventory or shelf replenishment activities. When placed in the vertical cradle, the PowerScan Retail imager automatically switches into presentation mode. To coordinate with different POS systems, the imagers are offered in 2 colors: dark gray or white with a silver top cover.



FEATURES

- Outstanding robustness (2.0 m / 6.6 ft drops) and an IP65 sealing rating
- *Bluetooth* wireless technology 3.1 Certified Class 1
- Vertical cradle for presentation mode scanning
- Digital watermarks including Digimarc® Barcodes
- Standard Ethernet
- Snappy omnidirectional reading
- Intuitive aiming system
- In-field replaceable window and cradle contacts
- Datalogic's 3GL™ (3 Green Lights) technology and loud beeper for good-read feedback
- Datalogic's Motionix™ motion-sensing technology
- Ergonomic shape
- EASEOFCARE Service Plans offer a wide range of service options to protect your investment, ensuring maximum productivity and ROI

INDUSTRY-APPLICATIONS

- Retail
  - Point of Sale Checkout
  - Shelf Replenishment
  - Goods Receiving
  - Inventory
- Healthcare
  - Patient Tracking
- Commercial Services
  - Postal
  - Banks
  - Public Administration
  - Utilities

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TECHNICAL SPECIFICATIONS

CORDLESS COMMUNICATIONS

BLUETOOTH WIRELESS TECHNOLOGY	Piconet: Max. Readers per Radio Receiver Using Commercial Dongle: 7; Using Cradle: 4
PROFILES	HID (Human Interface Device); SPP (Serial Port Profile)
PROTOCOL	*Bluetooth* 3.0 Certified Class 1
RADIO FREQUENCY	2.40 to 2.48 GHz
RADIO RANGE (OPEN AIR)	Class 1: Exceeds 90 m/295 ft Range distances are measured using the base station. Range with connection to other *Bluetooth* peripherals may show different results.
SECURITY	Data Encryption; Scanner Authentication

DECODING CAPABILITY

DIGITAL WATERMARKS	Includes Digimarc® Barcodes
1D / LINEAR CODES	Autodiscriminates 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
POSTAL CODES	Australian Post; China Post; IMB; Japanese Post; KIX Post; Planet Code; Portuguese Post; Postnet; Royal Mail Code (RM4SCC); Swedish Post
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

ELECTRICAL

BATTERY	Lithium-Ion 2150 mAh Charge Time: External Power: 4 Hours; Host Power: 10 Hours
READS PER CHARGE	Continuous Reading: 30,000+
CRADLE INDICATOR LEDS	Battery Charging (Red); Charge Completed (Green); Power/Data (Yellow)
CURRENT	Charging (Typical): External Power: 800 mA @ 10 VDC; POT: 500 mA @ 5 VDC
OPERATING (TYPICAL)	150 mA @ 10 VDC
INPUT VOLTAGE	External Power: 10-30 VDC; POT: 5 VDC +/- 10%

ENVIRONMENTAL

AMBIENT LIGHT	0 - 100,000 lux
DROP RESISTANCE	Cradle: Withstands 50 drops from 1.2 m / 3.9 ft onto a concrete surface PBT9500-RT: Withstands 50 drops from 2.0 m / 6.6 ft onto a concrete surface
ESD PROTECTION (AIR DISCHARGE)	20 kV
HUMIDITY (NON-CONDENSING)	95%
PARTICULATE AND WATER SEALING	IP65
TEMPERATURE	Operating: -20 to 50 °C / -4 to 122 °F Battery Charging: 0 to 45 °C / 32 to 113 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F

INTERFACES

INTERFACES	RS-232; USB COM; USB HID Keyboard; Optional Ethernet

PHYSICAL CHARACTERISTICS

COLORS AVAILABLE	Dark Gray / Black; White / Light Gray
DIMENSIONS	Cradle: 22.0 x 10.0 x 11.0 cm / 8.6 x 3.9 x 4.3 in PBT9500-RT: 21.2 x 11.0 x 7.4 cm / 8.3 x 4.3 x 2.9 in
WEIGHT	PBT9500-RT: 380.0 g / 13.4 oz PBT9500-RT-DK: 414.0 g / 14.6 oz

READING PERFORMANCE

IMAGER SENSOR	864 x 544
LIGHT SOURCE	Aiming: 630 - 680 nm VLD Illumination: Red LEDs
MOTION TOLERANCE	90 cm / 35 in per second
PRINT CONTRAST RATIO (MINIMUM)	15%
READING ANGLE	Pitch: +/- 40°; Roll (Tilt): 360°; Skew (Yaw): +/- 40°
READING INDICATORS	Beeper (Adjustable Tone and Volume); Datalogic's 3GL™ (Three Green Lights) technology and loud beeper for good-read feedback: Datalogic 'Green Spot' on the Code, Dual Good Read LEDs
RESOLUTION (MAXIMUM)	1D Codes: 4 mils; 2D Codes: 7.5 mils

READING RANGES

TYPICAL DEPTH OF FIELD	Minimum distance determined by symbol length and scan angle; Printing resolution, contrast, and ambient light dependent.
DIGITAL WATERMARKING	Maximum: 30 cm / 11.8 in
1D / 2D CODES	4 mils: 6.0 to 17.0 cm / 2.3 to 6.7 in 13 mils: 4.0 to 45.0 cm / 1.5 to 17.7 in 20 mils: 4.0 to 55.0 cm / 1.5 to 21.6 in 40 mils: 4.0 to 85.0 cm / 1.5 to 33.4 in 10 mils PDF417: 2.0 to 25.0 cm / 0.8 to 9.8 in 7.5 mils Data Matrix: 9.0 to 12.0 cm / 3.5 to 4.7 in 10 mils Data Matrix: 4.0 to 18.0 cm / 1.5 to 7.0 in

SAFETY & REGULATORY

AGENCY APPROVALS	The product meets necessary safety and regulatory approvals for its intended use. The Quick Reference Guide for this product can be referred to for a complete list of certifications.
ENVIRONMENTAL COMPLIANCE	Complies to China RoHS; 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 Class 1 LED

UTILITIES

DATALOGIC ALADDIN™	Datalogic Aladdin configuration program is available for download at no charge
OPOS / JAVAPOS	JavaPOS Utilities are available for download at no charge; OPOS Utilities are available for download at no charge
REMOTE HOST DOWNLOAD	Available on request

WARRANTY

WARRANTY	3-Year Factory Warranty

ACCESSORIES

Base Stations/Chargers



▪ BC9030-BT-RT
Vertical Base/Charger



▪ BC9180-BT-RT
Multi-Interface/Ethernet Base/Dual Charger

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