

POWERSCAN™ RETAIL PM9501



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 PM9501-RT imager is a cordless scanner featuring Datalogic's STAR Cordless System™ radio. 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 9501 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 PM9501-RT Retail series is offered with or without a display and the 16-key keyboard. 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
- Vertical cradle for presentation mode scanning
- Digital watermarks including Digimarc® Barcodes
- Datalogic's STAR 2.0 Cordless System™
- Standard Ethernet
- Snappy omnidirectional reading
- Intuitive aiming system
- Available with optional display and 16-key keyboard
- 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 - APPLICATION

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



POWERSCAN™ RETAIL PM9501-RT

TECHNICAL SPECIFICATIONS

CORDLESS COMMUNICATIONS

Datalogic STAR Cordless System™	Effective Radiated Power: 433 MHz: <10 mW; 910 MHz: <50 mW Point-to-Point Configuration Multi-Point Configuration: Max. Readers per Radio Receiver: 16
Radio Frequency	433 MHz; 910 MHz
Radio Range (Open Air)	433 MHz: Programmable Speed: 19.2 kb/s (default); 115.2 kb/s; 500 kb/s Typical Range: 80 m / 262.4 ft @ 19.2 kb/s; 910 MHz: Programmable Speed: 36.8 kb/s; 500 kb/s (default); Typical Range: 130 m / 426.5 ft @ 500 kb/s; 50 m / 164 ft @ 36.8 kb/s, fixed channel; Max. number of devices per base station (433 and 910 MHz): 16; Seamless Roaming; Two-Way Communications

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 3350 mAh Charge Time: External Power: 4.5 Hours; Host Power: 10 Hours
Reads Per Charge	60,000 + (typical @ 25 °C)
Cradle Indicator LEDs	Battery Charging (Red); Charge Completed (Green); Power/Data (Yellow)
Current	Volt 10-30 VDC; Power <8W; Max 500 mA when in host/bus powered mode
Input Voltage	External Power: 10-30 VDC; POT: 12 VDC +/- 10%

ENVIRONMENTAL

Ambient Light	0 - 100,000 lux
Drop Resistance	Cradle: Withstands up to 50 drops from 1.2 m / 3.9 ft onto a concrete surface PM9501-RT: Withstands up to 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 40 °C / 32 to 104 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F

INTERFACES

Interfaces	RS-232; USB COM; USB HID Keyboard; Optional Ethernet
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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 PM9501-RT: 21.2 x 11.0 x 7.4 cm / 8.3 x 4.3 x 2.9 in
Display	PM9501-RT-DK: Display Type: Graphic with White Backlight; Font Dimensions: User selectable (6 lines x 21 columns default); Screen Dimensions: 48 x 132 pixels
Keypad	PM9501-RT-DK: 16 Configurable Keys
Weight	PM9501-XX-XX-RT: 400.0 g / 14.1 oz PM9501-XX-DKXX-RT: 440.0 g / 15.5 oz

READING PERFORMANCE

Imager Sensor	864 x 544
Light Source	Aiming: 630 - 680 nm VLD; Illumination: Red LEDs
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	OPOS and JavaPOS Utilities are available for download at no charge
Remote Host Download	Available on request

WARRANTY

Warranty	3-Year Factory Warranty
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ACCESSORIES

Base Stations/Chargers



BC9180-433 / BC9180-910
Base/Dual Charger/Ethernet
(Standard, Industrial)



BC9030-BK-433-BP / BC9030-BK-910-BP
Base Presentation Charger, 433/910 MHz,
Multi-Interface, Black



BC9030-WT-433-BP / BC9030-WT-910-BP
Base Presentation Charger, 433/910 MHz,
Multi-Interface, White

Mounts/Stands



HLD-P080 Desk/Wall Holder (HLD-8000)