

POWERSCAN™ HP 9600 SERIES

Powerful handheld industrial scanners for advanced applications



ULTRA-RUGGED WITH NEW BALANCED ERGONOMICS!

The PowerScan family of barcode readers is the ultimate industrial handheld scanner designed and constructed to withstand the toughest environmental conditions. The PowerScan 9600 imagers have an ultra-rugged design, an ergonomic shape, and a well-balanced weight to reduce operator stress during daily activities.

THE HIGHEST PERFORMANCE

The High Performance model is designed for the hardest industrial applications. Built with a dual camera system, it allows you to read near-to-far, ranging from a few centimeters to a couple of meters. It can scan 1D/2D barcodes as well as light DPM codes, making it a great partner for Electronics. With the optional display and 16-key keypad, it is possible to configure complex operations and guarantee immediate feedback to/from the operators, improving productivity and accelerating decoding.

MOBILITY ENHANCES PRODUCTIVITY

The PowerScan PBT9600 cordless model is equipped with Bluetooth® 5.0 which can be paired to any device supporting Bluetooth connections, or to the Bluetooth base station. The BC9600 base/charger has a modular design and is available with multiple interface plug-ins for standard and industrial communication, such as RS-232, USB, Standard Ethernet, and Industrial Ethernet protocols.

WIRELESS CHARGING

The PowerScan 9600 scanner features Datalogic's Wireless Charging System. Based on inductive-charging technology, Datalogic's Wireless Charging System eliminates battery contacts and pins that often get dirty, bent, or broken over time – removing a key point of failure for devices used in industrial and retail functions.

FEATURES

- Snappy omnidirectional reading on 1D, stacked, 2D, postal codes
- Dual camera to read near-to-far
- High resolution to scan high-density codes
- Water and Particulate Sealing Rating: IP65 and IP67; Cradle IP65; 10 million hits trigger
- Center of gravity design
- Modular cradle design allowing interface expansion
- White light illumination
- High visibility OLED Display with 16-Keys keypad option
- Datalogic's 3GL™ (3 Green Lights) technology and loud beeper for good-read feedback
- Datalogic's Motionix™ motion-sensing technology
- Wireless Charging reducing total cost of ownership
- EASEOFCARE Service Plans offer a wide range of service options to protect your investment, ensuring maximum productivity and ROI

INDUSTRIES - APPLICATIONS

- **Manufacturing Shop Floor:**
 - Work-in-Progress
 - Sub-Assembly
 - Component Tracking
 - Quality Control
 - Time and Cost Analysis
 - Machine Replenishment /Configuration
 - Line Inventory Control
- **Warehouse and Logistic Centers:**
 - Shipping / Receiving
 - Parcel Preparation
 - Picking / Put Away
 - Automatic Sorting Back-Up
 - End of Line Sorting

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TECHNICAL SPECIFICATIONS

WIRELESS COMMUNICATIONS	
PowerScan PBT9600	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
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	Scanner PBT9600-DKHPRB only: operating 480 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: 3300 mAh Charge time @ 12 VDC: 2.5 hours to charge up to 95%, 3.2 hours to charge 100%, External Power. Reads per charge: 80,000
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
PHYSICAL CHARACTERISTICS	
Colors Available	Yellow/Black
Display	1.8" OLED graphic display; Font Dimensions: User selectable.
Keyboard	16 Keys; Configurable
Weight	455 g / 16.0 oz
READING PERFORMANCE	
Imager Sensor	1280 x 800 pixels
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: 2.5 mil; 2D Codes: 4 mil
READING RANGES	
Typical Depth of Field	Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent. HP Models Code 128 2.5 mils: 6.3 to 11.5 cm / 2.5 to 4.5 in 5 mils: 3.8 to 41 cm / 1.5 to 16.1 in 40 mils: 5.5 to 242.9 cm / 2.1 to 95.6 in EAN/UPC 13 mils: 4 to 120 cm / 1.5 to 40.2 in PDF417 10 mils: 0.5 to 46.1 cm / 0.2 to 18.1 in DataMatrix 10 mils: 4.2 to 32 cm / 1.6 to 12.6 in
SAFETY & REGULATORY	
Agency Approvals	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 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 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

ACCESSORIES

Base Stations / Chargers	Battery	Multi-Battery Charger	Holder
			
BC9620 Base station/charger USB only BC9630 Base station/charger Multi-Interface BC9631 Base station/charger Multi-Interface, IP65 BC9680 Base station/charger Ethernet/Profinet BC9681 Base station/charger Ethernet/Profinet/ETH IP, IP65	RBP-PM96 Removable battery	MC-P096-M2 Multi Battery Charger 2 slots MC-P096-M4 Multi Battery Charger 4 slots MC-P096-E2 Extension modules 2 slots	HLD-P096 Desk/Wall Holder (HLD-9600)