

# POWERSCAN™ 9600 SERIES

Handheld industrial scanners for 1D/2D barcode reading with top flexibility



## FEATURES

- Snappy omnidirectional reading on 1D, stacked and 2D codes, postal codes
- Standard Range and High Performance models
- 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 4-Keys /16-Keys keypad options
- Standard Range, High Performance and Document capture optics
- 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



## POWERSCAN 9600 SERIES

# TECHNICAL SPECIFICATIONS

### WIRELESS COMMUNICATIONS

#### PowerScan PM9600

Datalogic STAR Cordless System  
Radio Frequency: 433 MHz; 910 MHz;  
Effective Radiated Power: 433 MHz: < 10 mW;  
910 MHz: < 50 mW; Point-to-Point/Multi-Point  
Configuration; Max. Readers per Radio Receiver: 16;  
Two Way Communications.  
Radio Range (Open Air): 433 MHz: 150 m / 492 ft  
low speed; 100 m / 328 ft high speed  
910 MHz: 230 m / 754 ft low speed; frequency hopping; 180 m /  
590 ft high speed

#### 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.  
Range with connection to other Bluetooth peripherals.  
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 (HP and DC models)

### ELECTRICAL

#### Current

Corded models: Operating (Typical):  
SR: 200mA @ 5V; 120mA @ 12V. HP/DC: 280mA @ 5V / 140mA  
@ 12V. Standby/Idle (Typical): 187mA @ 5V / 92mA @ 12V.  
Cordless models: Operating 480 mA @ 3.7 V. Charging  
(Typical) < 15 W.  
Cradle BC96xx only: 150 mA @ 5 V (Operative)

#### Input Voltage

Corded models: 5 - 30 VDC ± 5%  
Cordless models: 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.  
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

### ACCESSORIES

#### Base Stations / Chargers



BC9630 Base station/charger Multi-Interface

BC9631 Base station/charger Multi-Interface, IP65

#### Battery



RBP-PM96 Removable battery

#### Multi-Battery Charger



MC-P096-M2 Multi Battery Charger 2 slots

#### Holder



HLD-P096 Desk/Wall Holder (HLD-9600)

MC-P096-M4 Multi Battery Charger 4 slots

MC-P096-E2 Extension modules 2 slots