



NEW TECHNOLOGY COMBINED WITH PRODUCT RELIABILITY

The PowerScan™ 9000 series of scanners has expanded and now introduces the PowerScan 9100 readers with new technology that provides an innovative laser-like green scanning line that implements the definition of a laser and the benefits of a linear imager scanner. The green scanning light has been proven to be the most comfortable color for the operator's eyes.

The PowerScan PBT9100 scanner features standard *Bluetooth*® wireless technology combined with outstanding reliability and reading performance on 1D codes.

CONFIGURABLE TO FIT ALL APPLICATIONS

Based on *Bluetooth* 3.0 standard wireless technology, the PowerScan PBT9100 scanner can be configured to be Class 1 or Class 2 compliant, according to the mobility range desired. Class 1 allows distances that exceed 90.0 m / 295.0 ft in open air. The scanner can be connected through the receiving base station to the host with a wide choice of interfaces (Serial, USB, Keyboard Wedge) or by connecting the scanner directly to any commercial or embedded *Bluetooth* compliant device.

The PowerScan PBT9100 can also be connected through the BC9180-BT base/charger to Ethernet networks using Standard Ethernet and Industrial Ethernet protocols (Ethernet IP and Modbus).

INDUSTRIAL APPLICATIONS

The PBT9100 scanner can be mounted on a forklift with a Vehicle Mount Terminal (VMT) providing a complete solution for warehouse applications.

A quick 3-second battery replacement combined with a single or multi-slot battery charger allows for continuous operation without interruption.



FEATURES

- Datalogic's new linear imaging technology
- *Bluetooth* 3.0 Class 1 compliant
- Supports *Bluetooth* wireless technology SPP and HID profiles
- Piconet with up to 7 scanners connected to the same base station
- Ethernet Connectivity (Standard and Industrial)
- Datalogic's 3GL™ (Three Green Lights) and loud beeper for good-read feedback
- User replaceable Lithium-Ion battery
- Operates over a wide range of temperatures
- Water and Particulate Sealing Rating: IP65
- Drop resistance to 2.0 m / 6.6 ft
- Decoding Capability up to 2.5 mils
- EASEOFCARE Service Plans offer a wide range of service options to protect your investment, ensuring maximum productivity and ROI

INDUSTRY-APPLICATIONS

- Warehouse and Distribution Centers: Shipping and Receiving, Order Processing, Parcel Preparation, Pallet Tracking and Put-away
- Manufacturing / Shop Floor: Work in Progress, Component Tracking, Quality Control and Inventory

TECHNICAL SPECIFICATIONS

CORDLESS COMMUNICATIONS

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|---|---|
| BLUETOOTH WIRELESS TECHNOLOGY PROFILES | Maximum number of devices per base station: 7 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: up to 100 m / 328 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

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| PBT9100 | GS1 DataBar™ linear codes, UPC/EAN, UPC/EAN P2/P5 add ons, UPC/EAN Coupons, ISBN, Code 128, EAN 128, Code 39, Code 39 Full ASCII, Code 39 CIP, Code 32, Codabar, Interleaved 2 of 5, IATA, Industrial 2 of 5, Standard 2 of 5, Code 11, MSI, Plessey, Code 93, Follet 2/5, Code 4, Code 5, Datalogic 2 of 5, Codablock F |
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ELECTRICAL

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| BATTERY | Lithium-Ion, 2150 mAh |
| CHARGE TIME | External Power: 4 Hours; Host Power: 10 hours |
| READS PER CHARGE | 50,000+ (continuous reading) |
| CRADLE INDICATOR LEDS | Battery Charging (Red); Charge Completed (Green); Power/Data (Yellow) |
| CURRENT | External Power: Max. 10 W (charging); POT: Max. 500 mA (charging) |
| INPUT VOLTAGE | 10 - 30 VDC, POT: 5 VDC +/- 10% |

ENVIRONMENTAL

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| AMBIENT LIGHT | Immune to light exposure in offices/facilities and direct exposure to sunlight. |
| DROP RESISTANCE | Withstands 50 drops from 2.0 m / 6.6 ft onto a concrete surface. |
| ESD PROTECTION (AIR DISCHARGE) | 20 kV |
| HUMIDITY (NON-CONDENSING) | 0 - 95% |
| PARTICULATE AND WATER SEALING | IP65 |
| TEMPERATURE | Operating: -20 to 50 °C / -4 to 122 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F |

INTERFACES

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| INTERFACES | Keyboard Wedge RS-232; USB: OEM USB; USB COM; USB HID Keyboard; Optional Ethernet (Standard, Industrial) |
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PHYSICAL CHARACTERISTICS

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| COLORS AVAILABLE | Yellow/Black |
| DIMENSIONS | Cradle: 24.0 x 10.8 x 9.5 cm / 9.4 x 4.3 x 3.8 in PBT9100: 21.2 x 11.0 x 7.4 cm / 8.3 x 4.3 x 2.9 in |
| WEIGHT | Cradle: 380.0 g / 13.4 oz PBT9100-XX: 405.0 g / 14.2 oz |

READING PERFORMANCE

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| LIGHT SOURCE | Green LED |
| PRINT CONTRAST RATIO (MINIMUM) | 15% |
| READING ANGLE | Pitch: +/- 75; Roll (Tilt): +/- 45°; Skew (Yaw): +/- 70° |
| READING INDICATORS | Beeper; Datalogic Three Green Lights (3GL™) Good Read Feedback; Datalogic 'Green Spot' on the Code; Dual Good Read LEDs; Good Transmission |
| RESOLUTION (MAXIMUM) | 2.5 mils |

READING RANGES

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| TYPICAL DEPTH OF FIELD | Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent. |
| Code 39 | 5 mils: 3.0 to 32.0 cm / 1.2 to 12.6 in 7.5 mils: 2.0 to 48.0 cm / 0.8 to 18.9 in 10 mils: 2.0 to 66.0 cm / 0.8 to 26.0 in 20 mils: 3.0 to 110.0 cm / 1.2 to 43.3 in 40 mils: 3.0 to 230.0 cm / 1.2 to 90.6 in |
| EAN 13 | 2.0 to 61.0 cm / 1.2 to 24.0 in |
| | Note: Reading performances may change with different symbologies |

SAFETY & REGULATORY

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| AGENCY APPROVALS | The product meets necessary safety and regulatory approvals for its intended use. See the Regulatory Addendum for details. |
| ENVIRONMENTAL COMPLIANCE LED CLASSIFICATION | Complies to China RoHS; Complies to EU RoHS Product compliant according to IEC 62471 |

UTILITIES

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

WARRANTY

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| WARRANTY | 3-Year Factory Warranty |
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ACCESSORIES

Base Stations/Chargers



- BC9030-BT Base/Charger, Multi-Interface
- BC9130-BT Base/Dual Charger, Multi-Interface
- BC9180-BT Base/Dual Charger/Ethernet (Standard, Industrial)

Cases/Holsters



- HLS-P080 Universal Holster (HLS-8000)

Mounts/Stands



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



- 7-040 Industrial Take-Up Reel