POWERSCAN™ PBT9300 LASER

◇DATALOGIC

BUILT TO LAST

PowerScan™ bar code readers are the ultimate industrial handheld devices, designed and constructed to withstand the toughest environmental conditions in demanding applications, offering lasting performance and outstanding reliability combined with exceptional reading performance and accuracy. The PowerScan PBT9300 laser scanner features standard *Bluetooth*® wireless technology combined with the outstanding reliability and reading performance found in all PowerScan products.

SIMPLE TO USE AND DEPLOY

Based on *Bluetooth* 3.0 standard wireless technology, Class 1 Range (in open air); up to 100 m / 328 ft. Connectivity is implemented through the receiving base station, which communicates to the host through a choice of interfaces (Serial, USB or Keyboard Wedge) or by connecting the scanner directly to any commercial or embedded *Bluetooth* compliant device, or via Ethernet by using the BC9180-BT base/charger using Standard Ethernet and Industrial Ethernet protocols (Ethernet IP and Modbus).

DEVELOPED FOR INDUSTRIAL USE

The PowerScan PBT9300 scanner mounted on a forklift with a Vehicle Mount Terminal (VMT) provides an excellent solution for warehouse applications. The PBT9300 is available in three different models: a basic cordless model (PBT9300); an intermediate model with display and a 4-key keypad (PBT9300-D); and the advanced model (PBT9300-DK) which features a display and a full 16-key alphanumeric keyboard. All PowerScan PBT9300 models are available with reading optics for Standard Range (SR) or Auto Range (AR) for reading distances up to 11.5 m / 37.0 ft on reflective codes.

BSR IDWARE

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FEATURES

- *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)
- Optics are available in:
  - **Standard Range:** contact up to 1.6 m / 5.2 ft
  - **Auto Range:** up to 11.5 m / 37.0 ft on reflective codes
- Datalogic 3GL™ 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 / 6.5 ft
- 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

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TECHNICAL SPECIFICATIONS

CORDLESS COMMUNICATIONS

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

PBT9300-XX	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
PBT9300-ARXX	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 32, Codabar, Interleaved 2 of 5, Standard 2 of 5, MSI, Code 93

ELECTRICAL

BATTERY	Battery Type: 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

AMBIENT LIGHT	Immune to light exposure in offices/facilities and direct exposure to sunlight.
DROP RESISTANCE	Withstands 50 drops from 2.0 m / 6.5 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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PHYSICAL CHARACTERISTICS

DIMENSIONS	Cradle: 24.0 x 10.8 x 9.5 cm / 9.4 x 4.3 x 3.8 in PBT9300: 21.2 x 11.0 x 7.4 cm / 8.3 x 4.3 x 2.9 in
DISPLAY	Display Type: PBT9300-D, PBT9300-DK: Graphic with backlight Font Dimensions: PBT9300-D only: User selectable (4 lines x 16 columns default) Screen Dimensions: 32 x 96 pixels
KEYPAD	PBT9300-D only: 4-Key Keypad; PBT9300-DK: 16-Key Keypad
WEIGHT	Cradle: 380.0 g / 13.4 oz; PBT9300-XX: 405.0 g /14.2 oz PBT9300-ARXX, PBT9300-DXX, PBT9300-DKXX: 435.0 g / 15.3 oz; PBT9300-DARXX, PBT9300-DKARXX: 465.0 g/16.4 oz

READING PERFORMANCE

LIGHT SOURCE	630 - 680 nm VLD
PRINT CONTRAST RATIO (MINIMUM)	25%
SCAN RATE	PBT9300-XX: 104 +/- 12 scans/sec. PBT9300-ARXX: 35 +/- 5 scans/sec.
READING ANGLE	PBT9300-XX: Pitch: 40°; Roll (Tilt): +/- 35°; Skew (Yaw): +/- 65° PBT9300-ARXX: Pitch: 60°; Roll (Tilt): +/- 10°; Skew (Yaw): +/- 65°
READING INDICATORS	Beeper (Adjustable Tone and Volume); Datalogic Three Green Lights (3GL™) Good Read Feedback; Datalogic 'Green Spot' on the Code; Dual Good Read LEDs; Good Transmission
RESOLUTION (MAXIMUM)	PBT93X0: 0.076 mm / 3 mils; PBT93X0 Auto Range: 0.190 mm / 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.

PBT9300: Code 39	PBT9300 AR: Code 39
5 mils: 1.5 to 28.0 cm / 0.4 to 11.8 in	7.5 mils: 9.0 to 50.0 cm / 3.5 to 19.7 in
7.5 mils: 1.5 to 42.0 cm / 0.6 to 16.5 in	10 mils: 14.0 to 85.0 cm / 5.5 to 33.5 in
10 mils: 2.0 to 50.0 cm / 0.8 to 19.7 in	15 mils: 15.0 to 155.0 cm / 5.9 to 61.0 in
20 mils: 2.0 to 110.0 cm / 0.8 to 43.3 in	20 mils: 15.0 to 220.0 cm / 5.9 to 86.6 in
40 mils: 2.0 to 160.0 cm / 0.8 to 63.0 in	40 mils: 20.0 to 340.0 cm / 7.9 to 133.9 in
40 mils: 2.0 to 160.0 cm / 0.8 to 63.0 in	55 mils: 25.0 to 420.0 cm / 9.8 to 165.4 ft
	Reflective Labels: Code 39: 70 mils: up to 9.0 m / 29.0 ft
	100 mils: up to 11.5 m / 37 ft

Note: Reading Performances may change with different symbologies

SAFETY & REGULATORY

AGENCY APPROVALS	The product meets necessary safety and regulatory approvals for its intended use. See the Regulatory Addendum for details.
ENVIRONMENTAL COMPLIANCE	Complies to China RoHS; Complies to EU RoHS
LASER CLASSIFICATION	Caution Laser Radiation - Do not stare into beam; CDRH Class II; EN 60825-1 Class 2

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 Base/ Charger, Multi-Interface

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

Cases/Holsters

- HLS-P080 Universal Holster (HLS-8000)

Mounts/Stands

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

- 7-0404 Industrial Take-Up Reel

www.datalogic.com