PowerScan[®] 8300

DATALOGIC

Industrial Handheld Laser Bar Code Reader: Desk and Mobile



General Description

Datalogic Scanning's PowerScan readers are the top rated industrial handheld data collection products on the market. Synthesizing knowledge and experience, Datalogic Scanning is evolving the PowerScan family to include the PowerScan 8300 series: the new corded and cordless laser bar code readers featuring state-of-the-art performance for rugged industrial use.

Designed for Productivity: The PowerScan 8300 readers' ergonomic enclosures are lightweight and well-balanced ensuring optimal operator comfort during scan intensive operations. Multiple good-read feedback features and a built-in metal tether hook for suspended applications ensure workplace productivity. The PowerScan 8300 readers' superior reading performance is enhanced by Datalogic's patented Puzzle Solver[™] technology for fast and accurate reading of standard, poorly printed and damaged bar codes.

Superior Radio Features: The Datalogic STAR Cordless System[™] for narrow band radio communications represents the key to increased productivity and flexibility in the workplace. It offers scalable solutions to solve simple point-to-point applications as well as networking capability combined with seamless roaming for complex projects. An optional display with a 3-button keypad provides time and battery status and enables interaction with the host.

Performance and Reliability: The PowerScan 8300 readers' mechanics have been developed and tested to withstand extreme environmental conditions maintaining consistent reading performance. Hard shocks (6.5 ft / 2 m drops), dust and water (IP65/IP64 sealed) and adverse temperature conditions (operative at -22 °F / -30 °C) do not affect product performance or reliability.

Installation and Configuration Ease: The PowerScan 8300 readers are offered with a full set of accessories: single and multiple battery chargers, desk/wall holder, belt and forklift holsters and a hands-free stand. All models have multi-interface capabilities built in featuring the most popular interfaces; RS-232, Keyboard Wedge, Wand Emulation and USB. The Datalogic Aladdin[™] configuration program provides user-friendly features that simplify the start-up procedure, even for inexperienced users.

Features

PowerScan D8300/M8300

- Standard Range (contact up to 3.3 ft / 1 m) and Auto Range (4 in / 10 cm to 33 ft / 10 m) optic models available
- > Drop resistance to 6.5 ft / 2 m
- > User interface: loud beeper and Datalogic 3GL[™]good read feedback
- Built-in multiple interface (RS-232, Keyboard Wedge, Wand and USB)

PowerScan M8300

- > Available with or without display
- > 433 MHz or 910 MHz radio system
- Point-to-point and multi-point transmission
- > Seamless roaming
- > Paging function
- > 100% compatible with STAR Cordless System[™]
- > User replaceable Lithium-Ion battery

Applications

- > Work-in-Progress Control
- > Warehouse Management
- > Shipping and Receiving Control
- > Cash and Carry Retail Applications
- > Forklift Warehouse Applications

PowerScan® 8300

Specifications

MODELS LIGHT SOURCE MAX. SCAN RATE MAX. RESOLUTION PRINT CONTRAST RATIO (min) READING ANGLE READING INDICATORS BAR CODES

PROGRAMMING METHOD Manual Automatic Datalogic Aladdin™ ENHANCED FEATURES AMBIENT LIGHT CONDITIONS HUMIDITY

MODELS

 POWER SUPPLY
 4 to

 CONSUMPTION
 420

 INTERFACES
 USB,

 OPERATING TEMPERATURE
 -22 t

 STORAGE TEMPERATURE
 -22 t

 DROP RESISTANCE
 With

 WEIGHT
 Appi

 ENVIRONMENTAL PROTECTION
 IP65

MODELS

KEYPAD (M8300-D models only) BATTERY TYPE RECHARGE TIME OPERATING AUTONOMY OPERATING TEMPERATURE STORAGE TEMPERATURE DROP RESISTANCE WEIGHT ENVIRONMENTAL PROTECTION

Accessories







Spare Battery Slot, SBS-8000 Removable Battery Pack, RBP-8000

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Datalogic Scanning, Inc. E-mail us at: scanning@datalogic.com www.scanning.datalogic.com

PowerScan D8300 (corded) & PowerScan M8300 (cordless) Visible Laser Diode (VLD) 630 - 680 nm 35 ± 5 scans/sec

0.076 mm/3 mil (D/M83X0); 0.19 mm/7.5 mil (D/M83X0 Auto Range) 15%

Skew: ±60°; Pitch: 5 to 55°, -5 to -55°; Tilt: ±20° Laser ON, 3 GL[™] Feedback, Beeper, Good Transmission (M8300 only) 2/5 Family, Code 39 (plus Code 32, Cip 39), EAN/UPC, EAN 128, Code 128, Code 93, CODABAR, Code 49, Code MSI, Code 11, Code 16K, ISBN/ISSN, ISBT 128, GS1DataBar[™] (formerly RSS)

Reads special bar codes Software commands through the RS-232 / USB interfaces Windows configuration program Puzzle Solver™, data editing and concatenation Immune to light exposure in offices, facilities, and direct exposure to sunlight 90% non condensing

PowerScan D8300

4 to 30 VDC 420 mA @ 4 V; 310 mA @ 5 V; 62 mA @ 30 V USB, RS-232, Keyboard Wedge, Wand Emulation -22 to 122 °F / -30 to 50 °C -22 to 158 °F / -30 to 70 °C Withstands 50 drops from 6.5 ft / 2 m to concrete Approx. 10.4 oz / 295 g

PowerScan M8300

DISPLAY (M8300-D models only) Graphic with backlight, 32 x 96 dots, and font dimension can be selected by the user (with default selection, 4 lines x 16 columns) KEYPAD (M8300-D models only) 3 keys BATTERY TYPE Li-lon 2150 mAh EFCLIADES TIME

External: max. 4 hrs / Host: max. 10 hrs Over 60,000 operations -4 to 122 °F / -20 to 50 °C -4 to 158 °F / -20 to 70 °C Withstands 50 drops from 6.5 ft / 2 m to concrete Approx. 13.9 oz / 395 g IP65 (without display) IP64 (with display)

STD-8000 Hands-free Stand
 Allows use of the reader in hands-free mode.
 BC-8060 Base/Charger
 Radio base station and reader charger. Includes RS-232, RS-485, Keyboard Wedge, Wand Emulation and USB interfaces. Compatible with the Spare Battery Slot (SBS-8000).
 BC-8030 Base/Charger
 Radio base station and reader charger. Includes RS-232, Keyboard Wedge, Wand Emulation and USB interfaces.
 C-8030 Base/Charger
 Radio base station and reader charger. Includes RS-232, Keyboard Wedge, Wand Emulation and USB interfaces.
 C-8000 Charger
 Compatible with the Spare Battery Slot (SBS-8000).
 SBS-8000 Spare Battery Slot
 Coupled with BC-8060 or C-8000 allows spare

C-8000 Charger Compatible with the Spare Battery Slot (SBS-8000). SBS-8000 Spare Battery Slot Coupled with BC-8060 or C-8000, allows spare batteries to be charged. MC-8000 Multiple Battery Charger Accommodates charging of up to 4 batteries. HLD-8000 Doiversal Holder Provides installation flexibility. HLS-8000 Universal Holster Allows the reader to be attached to desktops, worktables, forklift trucks and other types of support. PC-8000 Protective Case/Belt Holster Allows the reader to be worn on a belt when not in use and protects it against drops. RBP-8000 Removable Battery Pack Click on/off battery without screw for easy battery replacement and "stand-alone" charging. VMK-8000 Vehicle-Mount KIT Kit of accessories allows easy and secure installation of BC-8030/BC-8060 cradle on forklift. HH-8000 Heated Holder

Holder specifically designed for freezer applications.

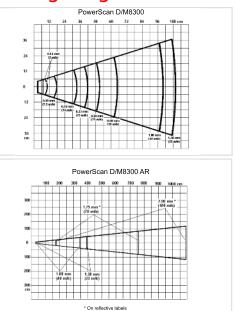
Industrial Handheld Laser Bar Code Reader

CRADLE POWER SUPPLY	BC-8030 / BC-8060 External: 10 to 30 VDC
POWER	Host: 5 VDC ± 10% External: max. 10 W
CONSUMPTION	Host: max. 500 mA
READING	Battery charging (red),
INDICATORS	Charge completed (green),
	Power/Data (yellow)
INTERFACES	USB, RS-232, Keyboard Wedge,
	Wand Emulation and RS-485
DIMENSIONS	9.44 x 4.25 x 3.75 in
(without antenna)	(240 x 108 x 95 mm)
WEIGHT	Approx. 13.4 oz / 380 g
RADIO SPECIFICATIONS	
RADIO FREQUENCY	
	910 MHz
BIT RATE	19,200 bauds (433.92 MHz),
	36,800 (910 MHz)
EFFECTIVE RADIATED	
POWER	<10 mW (433.92 MHz);
	<1 mW (910 MHz)
RADIO RANGE	Up to 164 ft / 50 m (433.92 MHz);
	Up to 99 ft / 30 m (910 MHz),
	depending on the working area
MAX. NUMBER	Max. 32 readers per radio
COEXISTING	receiver; max. 2000 readers in
SYSTEMS	the same area
SAFETY & REGULA	
ELECTRICAL	Complies to C-CSA-US (60950 to Canada and USA)
EMISSIONS	Complies to FCC-A, EN 55022-B, AS/NZS 3548
LASER	CDRH Class II, (Caution: Laser Radiation - do
CLASSIFICATION	not stare into beam) 🔥
	IEC 60825-1 Class 2
RADIO	ETSI-ETS 300220; FCC 15.249. For a
	complete list of approvals by country, contact
	your Datalogic Scanning Representative.
RESTRICTION OF	Complies with EU RoHS.

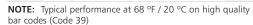
Reading Diagrams

HAZARDOUS

SUBSTANCES



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