

**Product: PowerScan® 8000 Scanner Family**

**Product Bulletin Number: PB021208\_B**

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## PowerScan® 8000 Scanner Family Introduction

### Overview

Datalogic Scanning is pleased to announce the release of the PowerScan 8000 family of rugged, industrial-proof scanners designed and constructed to withstand the toughest environmental conditions in demanding applications.

Once competitors, the PowerScan, Dragon™ and Lynx™ product lines are now being combined into the same family. Each product has a long history of success and each is deeply engrained in their respective industrial market sectors. These brands have equally earned their reputation and mutual respect from users and have a demonstrated history of proven performance in these demanding environments. The PowerScan 8000 series of industrial barcode readers has blended and further developed the best of PowerScan, Dragon and Lynx features to produce a brand new series of products, a revolution in the PowerScan brand.



The new PowerScan readers are versatile and easy to install, intuitive and ergonomically usable, reliable and accurate in the long-term for all industrial applications. These outstanding characteristics perfectly summarize the main benefits offered by the renewed PowerScan 8000 family of products.

The PowerScan 8000 family of products covers all requirements for industrial applications: 1D and 2D decoding capability, short distance as well as long distance reading, corded and cordless communications.

There are two divisions with the new PowerScan readers, identified with their own logo:



- **PowerScan 8300 Family:** “Laser” readers. Several models are available:
  - Standard (0-1 m / 0-40 in) and Auto Range (10 cm -10 m / 4 in to 33 ft) optics
  - Corded and Cordless (433 and 910 MHz)
  - Cordless Models: with and without display



- **PowerScan 8500 Family:** “Imaging” readers. Available optics:
  - Standard: for general purpose applications. It reads medium and low resolution bar codes from contact to over 25 cm / 9.8 in
  - High Density: to read high resolution 1D and 2D codes (2 mil and 4 mil respectively)
  - Wide Angle: for medium and low resolution codes as well as image based applications. The “wide angle” option is able to capture an image of 197 x 160 mm / 7.7 x 6.3 in at 15cm / 6 in and a full A4 page at about 25 cm / 9.8 in

**Features and Benefits**

**Designed for Productivity.** Operator comfort and productivity are essential in any scan-intensive application. This reader is facilitated by the **ergonomic handle** and the **well-balanced weight**. The successful and patented Datalogic **“Green Spot”** is a distinctive feature of the new PowerScan 8000 reader: the green spot is bright and easily visible up to 80-90 cm / 2.6-3 ft giving “good read” feedback to the user directly on the bar code. In addition, the **double “good read LED”**, a successful innovation of the previous Dragon family of readers and patented by Datalogic, is included in all PowerScan 8000 models. The built-in metal hook is useful to hang up the reader on a retractable take-up reel making it readily available.



**Outstanding Performance on “real life” Bar Codes.** PowerScan 8000 product users can rely on fast, accurate bar code reading. Different optics are available to allow the reading of bar codes from low to very high resolution, from close to far away distances, auto-discriminating all 1D (all models) or 2D (2D imager only) symbologies. In industrial environments, bar codes are often “ugly”, poorly printed, damaged, scratched or smudged codes. The PowerScan 8000 reader’s superior performance is enhanced in the 8300 models by the patented **Puzzle Solver Technology™** to allow fast and accurate reading of standard, poorly printed and damaged codes. Puzzle Solver Technology, a Datalogic Scanning patented software, allows the decoding of a bar code by putting together different parts of the code captured in consecutive scans.

**Reliability and Accuracy in the Long Term.** Datalogic’s PowerScan 8000 reader is suitable for the most demanding and toughest industrial applications, both indoors and outdoors. The rugged mechanic design of the PowerScan 8000 reader has been developed and tested to withstand **extreme shock conditions** (up to fifty drops from 2 m / 6.5 ft) as well as normal drops (thousands of 30-50 cm / 12-20 in drops), without affecting reading performance or accuracy. The enclosure is a balanced mix of co-molded plastic and rubber to protect the “internal core”. All of the relevant internal parts are further protected with a protective rubber shock absorber to reduce the transmission of unavoidable shocks. The PowerScan 8000 reader has a protection rating of **IP65** (IP64 for the mobile models with display), meaning it is totally protected against dust and protected against water sprayed with pressure from all directions. This assures reliability and durability even in extremely harsh conditions.



**Superior Radio Features (8300 models only).** Operators requiring mobility in the manufacturing plant as well as in the warehouse or in the distribution center can benefit from the versatility of the mobile models. The **Datalogic STAR Cordless System™** represents the key to increased productivity and flexibility within the working area. It offers scalable solutions to solve anything from simple point-to-point applications to complex networking projects. In the simplest point-to-point applications, the operator can benefit from maximum mobility without the constraint of the interface cable, increasing efficiency and productivity. Using the network capability, a unique feature in the market, more than 100,000 m<sup>2</sup> (over 1,000,000 sq ft) can be covered with up to 16 base stations. Automatic seamless roaming allows the user to move freely from one base to another. The PowerScan M8300/D reader (versions with a **display and 3 push-button keypad**) allowing the operator to view the bar code, receive information from the host and actively interact with it. The “interaction” between the host and the operator is further enhanced by the new functionality of the “constant alert” radio that allows the receiving of messages from the host at any time.



**Flexibility of Installation.** Most of the PowerScan 8000 reader models are featured with a built-in **multi-interface** to make the installation easier and protect the investment. Just plug in the cable and select the interface. Available interfaces are RS-232, Keyboard Wedge, Wand Emulation and USB. The 8300 family includes also a dedicated model with TTL undecoded interface typically required for forklift terminal connection.

### Marketing Communications Materials

This product release is supported by a broad range of marketing communication materials designed to educate the market. Some of these tools are available on the public Datalogic Scanning web site and some of the tools are reserved for our partners and published only on the Extranet site. They will be available on the Datalogic Scanning web sites February 18, 2008.

#### Public Sales Tools:

- PowerScan 8000 Micro-Web Site (<http://www.scanning.datalogic.com/powerscan8000/>)
- PowerScan 8000 Sales Handbook
- At A Glance (available for the 8300 and 8500 families)
- Data Sheets (available for the 8300 and 8500 families)

#### Reserved Sales Tools:

- Competitive Matrix (available for the 8300 and 8500 families)
- Marketing Information Guide
- PowerPoint Presentation
- Product Photography
- Application Photography

## PowerScan® 8300 Reader

### Critical Dates

**General Availability – February 18, 2008**

See product availability below for specific models:

	Part Number	Description	Availability	Manufacturing policy (*)
DESK	PD8330	POWERSCAN D8330	February 18, 2008	Stock
	PD8330-AR	POWERSCAN D8330 AR	February 18, 2008	Stock
	PD8340-AR	POWERSCAN D8340 AR UNDECODED	February 18, 2008	Stock
MOBILE	PM8300-433	POWERSCAN M8300 433MHZ	February 18, 2008	Stock
	PM8300-AR433	POWERSCAN M8300 AR 433MHZ	February 18, 2008	Stock
	PM8300-D433	POWERSCAN M8300/D 433MHZ	February 18, 2008	Stock
	PM8300-DAR433	POWERSCAN M8300/D AR 433MHZ	February 18, 2008	Stock
	PM8300-433RB	POWERSCAN M8300 433MHZ REM. BATT	February 18, 2008	ATO
	PM8300-AR433RB	POWERSCAN M8300 AR 433MHZ REM. BATT	February 18, 2008	ATO
	PM8300-D433RB	POWERSCAN M8300/D 433MHZ REM. BATT	February 18, 2008	ATO
	PM8300-DAR433RB	POWERSCAN M8300/D AR 433MHZ REM. BATT	February 18, 2008	ATO
	PM8300-910	POWERSCAN M8300 910MHZ	February 18, 2008	Stock
	PM8300-AR910	POWERSCAN M8300 AR 910MHZ	February 18, 2008	Stock
	PM8300-D910	POWERSCAN M8300/D 910MHZ	February 18, 2008	Stock
	PM8300-DAR910	POWERSCAN M8300/D AR 910MHZ	February 18, 2008	Stock
	PM8300-910RB	POWERSCAN M8300 910MHZ REM. BATT	February 18, 2008	ATO
	PM8300-AR910RB	POWERSCAN M8300 AR 910MHZ REM. BATT	February 18, 2008	ATO
	PM8300-D910RB	POWERSCAN M8300/D 910MHZ REM. BATT	February 18, 2008	ATO
	PM8300-DAR910RB	POWERSCAN M8300/D AR 910MHZ REM. BATT	February 18, 2008	ATO
CRADLES	BC8030-433	BC-8030 BASE/CHARGER M-INT 433MHZ	February 18, 2008	Stock
	BC8060-433	BC-8060 BASE/CHARGER M-INT/RS485 433MHZ	February 18, 2008	Stock
	BC8030-910	BC-8030 BASE/CHARGER M-INT 910MHZ	February 18, 2008	Stock
	BC8060-910	BC-8060 BASE/CHARGER M-INT/RS485 910MHZ	February 18, 2008	Stock
	CHR-PM80	C-8000 CHARGING ONLY BASE	February 18, 2008	Stock
ACCESSORIES	MC-P080	MC-8000 MULTI-CHARGER 4 SLOTS	February 18, 2008	Stock
	SBS-PM80	SBS-8000 SPARE BATTERY SLOT	February 18, 2008	Stock
	RBP-PM80	RBP-8000 REMOVABLE BATTERY PACK	February 18, 2008	Stock
	FBP-PM80	FBP-8000 FIXED BATTERY PACK	February 18, 2008	Stock
	VMK-8000	VMK-8000 VEHICLE-MOUNT KIT	April, 2008	Stock
	PCD-P080	PC-8000/D PROT. CASE/BELT HOLSTER DISP	February 18, 2008	Stock
	SRM-P080	SRM-8300 SOFTWARE REFERENCE MANUAL	February 18, 2008	Stock

(\*) **Stock:** Production is planned on a monthly basis independently by orders. Products are normally available in our factory warehouse. Shipment normally occurs within 3 days from ordering and the delivery time depends on customs management.

**ATO (Assembly To Order):** Sub-assembly of the products are normally available in our factory stock; the final assembly is planned after the order is received. Shipment normally occurs within 4 weeks from ordering.

**Technical note:** all the above models are 100% *functional* and *electrically* compatible with the old Dragon reader family models. The PowerScan M8300 scanners can communicate and be charged with the OM-30x0 cradle and vice-versa.

Datalogic Scanning is in the process of seeking regulation approval for the PowerScan M8300 scanners. **Please refer to the following table for countries currently approved.**

	433 MHz	910 MHz	Certification	Sales
<b>EMEA</b>				
EU Countries	X		Available	OK
Turkey, Serbia and Croatia	X		Available	OK

Israel	X		Available	OK
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**NORTH AMERICA**

USA		X	Available	OK
CANADA		X	Available	OK

**LATIN AMERICA**

Mexico		X	In Progress	Units available for testing
Brazil		X	In Progress	Units available for testing
Chile		X	TBD (*)	Units available for testing
Argentina		X	TBD (*)	Units available for testing
Colombia		X	TBD (*)	Units available for testing

**ASIA/PACIFIC**

China	X		In Progress	Units available for testing
Korea			Not available	Not allowed
Taiwan	X		Available	OK
Singapore	X		Available	OK
Thailand			Not available	Not allowed
Indonesia	X		In Progress	Units available for testing
Japan			Not available	Not allowed

Australia	X		Available	OK
New Zeland	X		Available	OK

(\*) TBD= To Be Determined. Expansion into other countries is not yet planned because of the small size of the market. In case of relevant projects, we can evaluate the possibility of beginning the certification process.

## PowerScan® 8500 Reader

### Critical Dates

**General Availability – late March 2008**

Pilot production will start in the Datalogic Scanning facility at the beginning of March. Units for testing will become available at that date in limited quantities for each model.

	Part Number	Description	Availability	Manufacturing policy
DESK	PD8530	POWERSCAN D8530	Late March, 2008	Stock
	PD8530-HD	POWERSCAN D8530 HD	Late March, 2008	Stock
	PD8530-WA	POWERSCAN D8530 WA	Late March, 2008	Stock

## PowerScan 8300 Reader and PowerScan 8500 Reader Common Accessories

### Critical Dates

**General Availability – February 18, 2008**

	Part Number	Description	Availability	Manufacturing policy
ACCESSORIES	HLD-P080	HLD-8000 DESK/WALL HOLDER	February 18, 2008	Stock
	STD-P080	STD-8000 HANDS-FREE STAND	February 18, 2008	Stock
	HLS-P080	HLS-8000 UNIVERSAL HOLSTER	TBD(*)	Stock
	PC-P080	PC-8000 PROT. CASE/BELT HOLSTER	February 18, 2008	Stock
	7-0404	INDUSTRIAL TAKE UP REEL	Available (**)	Stock
	11-0139	HEATER HOLDER 24 V	Available (**)	Stock
	11-0138	HEATER HOLDER 36 V	Available (**)	Stock
	11-0140	HEATER HOLDER 48 V	Available (**)	Stock

(\*) a stock of the HLS-3000 UNIVERSAL HOLSTER used with the Dragon family of readers is still available. It is the exact same holster, therefore we will exhaust this stock before activating the new order code.

(\*\*) These accessories are the same that are currently available for the old PowerScan family of readers and are stocked in Eugene. Standard delivery time will be about 1 week longer compared to the other products for EMEA countries.

**Technical Note:** all the above xxx-8000 accessories are 100% *functional* and *mechanically* compatible with the corresponding old xxx-3000 Dragon reader accessories. Existing stock of the old accessories can be used without problems.

## PowerScan 8300 Reader & PowerScan 8500 Reader Common Cables

A new set of cables has been developed for the PowerScan 8000 family of readers. The new cables, specified to fulfil the rough conditions typical of the industrial applications, are tested to survive thousands bends even in a working temperatures of -30 °C / -22 °F. This new set of cables will become the standard for all Datalogic Scanning industrial products starting with the PowerScan 8000 family of readers. Current Dragon cables can still be used to cover some of the less common interfaces like the Wyse and Digital terminals as well as some of the IBM terminals. The use of the current Dragon cables is possible with the addition of a dedicated accessory, the “Powerscan cable adapter”, available separately.



**General Availability – February 18, 2008**

See cable availability below for specific models:

		Type	Part Number	Description	Availability	Manufacturing policy
Main CABLES (*)	RS232	Straight	CAB-433	CAB-433 RS232 PWR 9P FEM STRAIGHT	February 18, 2008	Stock
		Coiled	CAB-434	CAB-434 RS232 PWR 9P FEM COILED	February 18, 2008	Stock
			CAB-471	CAB-471 RS232 25PIN FEM. DCE COILED	Late March, 2008	Stock
			CAB-472	CAB-472 RS232 25PIN MALE DTE COILED	Late March, 2008	Stock
			CAB-408	CAB-408 RS232 X MOTOROLA VRC69xx	Late March, 2008	Stock
			CAB-451	CAB-451 RS232 X MOTOROLA VRC79/89XX	Late March, 2008	Stock
			CAB-452	CAB-452 RS232 X INTERMEC24X5.	Late March, 2008	Stock
			CAB-435	CAB-435 RS232 X TEKLOGIX	Late March, 2008	Stock
	Wedge	Straight	CAB-436	CAB-436 WEDGE PS/2 STRAIGHT	February 18, 2008	Stock
			CAB-442	CAB-442 WEDGE PS/2 STRAIGHT EXT.PWR	March, 2008	Stock
		Coiled	CAB-437	CAB-437 WEDGE PS/2 COILED	February 18, 2008	Stock
			CAB-443	CAB-443 WEDGE PS/2 COILED EXT.PWR	March, 2008	Stock
	USB	Straight	CAB-438	CAB-438 USB TYPE A STRAIGHT	February 11, 2008	Stock
			CAB-440	CAB-440 USB TYPE A STRAIGHT EXT.PWR	March, 2008	Stock
		Coiled	CAB-439	CAB-439 USB TYPE A COILED	February 11, 2008	Stock
	CAB-441		CAB-441 USB TYPE A COILED EXT.PWR	March, 2008	Stock	
	Wand	Straight	CAB-470	CAB-470 WAND EMUL. 9P MALE STRAIGHT	Late March, 2008	Stock
		Coiled	CAB-473	CAB-473 WAND EMUL. 9P MALE COILED	Late March, 2008	Stock
	TTL	Coiled	CAB-468	CAB-468 TTL/LASER 9P MALE COILED	Late March, 2008	Stock
	RS 485	Straight	CAB-428	CAB-428 RS485 INTERFACE SPLITTER	Available	Stock

To continue using the current Dragon scanner cables, the following cable adapter is needed:

Part Number	Description	Availability	Manufacturing policy
90ACC1963	POWERSCAN CABLE ADAPTER	February 18, 2008	Stock

**Obsoleted Products**

As already announced in the Product Bulletin PB121007 sent on December 10, 2007, the new PowerScan 8000 family of readers will replace all existing PowerScan, PowerScan RF, Dragon D, Dragon M and Lynx D scanning models. Because of a slight delay in the Pilot Production and General Availability date, Datalogic Scanning will delay the “last time to buy” date by one month.

All incoming orders will be managed on a “first-come, first-served” basis until the available stock is gone.

**In Summary:**

The current PowerScan reader models (corded and cordless, all optics):

Last Time to Buy	Last Shipment	Last Service
04/30/2008	05/31/2008	05/31/2013

The current Dragon reader models (corded and cordless, all optics and related accessories):

Last Time to Buy	Last Shipment	Last Service
05/31/2008	06/30/2008	06/30/2013


All Lynx D432 and Lynx D432/E reader models:

Last Time to Buy	Last Shipment	Last Service
06/30/2008	08/31/2008	08/31/2013



**Cross-Referenced Tables**

The tables below are cross-referenced between the discontinued Dragon, PowerScan and Lynx reader models and the new corresponding PowerScan 8000 reader models.

DESK	DRAGON D131 POWERSCAN SR POWERSCAN HD	→	PowerScan D8330
	DRAGON D151 XLR DRAGON D131 LR POWERSCAN LR POWERSCAN XLR	→	PowerScan D8330 AR
	DRAGON D141 LR POWERSCAN UND SR POWERSCAN UND LR POWERSCAN UND XLR	→	PowerScan D8340 AR UNDECODED
DESK	LYNX D432	→	PowerScan D8530
	LYNX D432/E	→	PowerScan D8530 HD
		→	PowerScan D8530 WA 
MOBILE 433MHZ	DRAGON M131 433MHZ POWERSCAN RF 433MHZ SR POWERSCAN RF 433MHZ HD	→	PowerScan M8330 433MHZ
	DRAGON M131\D 433MHZ	→	PowerScan M8330/D 433MHZ
	POWERSCAN RF 433MHZ LR POWERSCAN RF 433MHZ XLR	→	PowerScan M8330 AR 433MHZ
	DRAGON M131\D LR 433MHZ	→	PowerScan M8330/D AR 433MHZ
MOBILE 910MHZ	DRAGON M131 910MHZ POWERSCAN RF 915MHZ SR POWERSCAN RF 915MHZ HD	→	PowerScan M8330 910MHZ
	DRAGON M131\D 910MHZ	→	PowerScan M8330/D 910MHZ
	POWERSCAN RF 915MHZ LR POWERSCAN RF 915MHZ XLR	→	PowerScan M8330 AR 910MHZ
	DRAGON M131\D LR 910MHZ	→	PowerScan M8330/D AR 910MHZ

**Service and Technical Support**

All models of the PowerScan reader family 8000 have a standard 36 month warranty provided by Datalogic Scanning or Datalogic Scanning Authorized Repair Centers. Contact your local Datalogic Scanning representative for more information regarding warranty extensions and maintenance contracts.

**For More Information**

Please contact Stefano Vassura, Product Manager: [stefano.vassura@datalogic.com](mailto:stefano.vassura@datalogic.com).

Note: PowerScan is a registered trademark of Datalogic Scanning, Inc. Datalogic is a registered trademark of Datalogic S.p.A. in many countries and the Datalogic logo, Aladdin, Dragon, Lynx, Puzzle Solver and the STAR Cordless System are trademarks of Datalogic S.p.A. All other brand and product names may be trademarks of their respective owners.