

Datalogic Powerscan PM9500 Barcode Scanners

On the following pages you will find detailed manufacturer information about this product from our TISWARE hardware and software portfolio.

If you need more information, please contact us!

If you have any questions about or are interested in this or other products from our portfolio, please contact our sales team. Our colleagues are happy to help.

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Other products from the TIS GmbH portfolio



TISLOG TELEMATICS SOFTWARE

TISLOG logistics and transport software provides powerful and flexible solutions for mobile order management, capable of exactly what you need for the individual work processes of your business.



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TISPLUS HARDWARE ACCESSORIES

TISPLUS - Clever accessories for ergonomic handling on the go and in the warehouse. und im Lager. Development, design and production of our TISPLUS products take place at 100% in Germany.



www.tisplus.com

BACKGROUND TIS GMBH

The TIS GmbH, based in Bocholt is one of the market leaders for sophisticated telematics projects. TIS stands for "Technical Information Systems". Since 1985 the company develops intelligent telematics solutions for freight forwarders, transport and logistics companies and retail chains. Currently, more than 50 employees work for TIS. The latest generation of products are the platform-independent software solutions under the brand name TISLOG Logistics & Mobility. Together with the powerful hardware of renowned partners and the in-house developed hardware accessories TISLOG builds the optimal solution for companies looking for professional telematics solutions.



More information on the TIS GmbH and our portfolio of software, hardware and accessories on

www.tis-gmbh.com



AIM, TRIGGER, DECODE: IT'S THAT SIMPLE!

An intuitive and effortless scanning experience is the target of the PowerScan™ 9500 series. They combine omnidirectional reading capabilities with outstanding optical characteristics. The result is a scanner that is able to read any kind of bar code, regardless of the orientation, from contact to over 1.0 m / 3.3 ft, depending on the bar code resolution. In addition, Datalogic's latest decoding software guarantees snappy reading in any type of environment.

MOBILITY ENHANCES PRODUCTIVITY

The Datalogic STAR Cordless System™ for narrow-band radio communications was developed specifically to maximize efficiency and reliability for handheld scanner data collection applications. The PowerScan PM9500 models are equipped with a new generation of the STAR-System™ that further improves the already outstanding features of versatility, ease of use and radio range.

The PM9500 series offers two display options: 4 configurable keys and a full 16-key keyboard. This increases interaction between the host and the user allowing a two-way exchange of information for more reliable and effective communications.

The BC9180 base/charger also includes in one model two different Ethernet connections: Standard Ethernet and Industrial Ethernet protocols such as Ethernet IP and Modbus.

DEVELOPED WITH THE USER IN MIND

Handle shape, well-balanced weight and an intuitive aiming system allows high first-pass reading rates while reducing unnatural wrist movements for improved ergonomics and user comfort.

The PowerScan 9500 area imagers use a soft-pulsed white illumination light that is very gentle on the eyes and less troublesome to the operator during scan-intensive applications.



FEATURES

- High-performance Liquid Lens allows one model to read standard, wide and high density codes
- Snappy omnidirectional reading
- Intuitive aiming system
- Soft white light illumination
- Available with optional display and 4 or 16-key keyboards
- High speed 433 MHz and 910 MHz radio communications
- Point-to-point and multi-point transmission
- Networking and seamless roaming
- Multiple interfaces available
- Ethernet Connectivity (Standard and Industrial)
- Lithium-Ion battery replaces in 3 seconds!
- Datalogic's Motionix™ motion-sensing technology
- Ergonomic shape
- Datalogic's 3GL™ (3 Green Lights) technology and loud beeper for good-read feedback
- Water and Particulate Sealing Rating: IP65
- In-field replaceable window and cradle contacts
- EASEOFCARE Service Plans offer a wide range of service options to protect your investment, ensuring maximum productivity and ROI

INDUSTRY-APPLICATIONS

- Entertainment
 - Access Control
 - Mobile Coupons
 - Ticket Validation
 - Security / Age Verification
 - Lottery
- 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

TECHNICAL SPECIFICATIONS

CORDLESS COMMUNICATIONS

DATALOGIC STAR CORDLESS SYSTEM™	Effective Radiated Power: 433 MHz: <10 mW; 910 MHz: <50 mW Point-to-Point Configuration Multi-Point Configuration: Max. Readers per Radio Receiver: 32
RADIO FREQUENCY	433 MHz; 910 MHz
RADIO RANGE (OPEN AIR)	433 MHz: 100 m / 328 ft low speed; 50 m / 164 ft high speed 910 MHz: 150 m / 492 ft low speed; 80 m / 262 ft high speed Seamless Roaming Two Way Communications

DECODING CAPABILITY

1D / LINEAR CODES	Autodiscriminates 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;
POSTAL CODES	Australian Post; China Post; IMB; Japanese Post; KIX Post; Planet Code; Portuguese Post; Postnet; Royal Mail Code (RM4SCC); Swedish Post;
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

ELECTRICAL

BATTERY	Lithium-Ion 2150 mAh Charge Time: External Power: 4 Hours; Host Power: 10 Hours Continuous Reading: 30,000+
READS PER CHARGE	Battery Charging (Red); Charge Completed (Green); Power/Data (Yellow)
CRADLE INDICATOR LEDS	Charging (Typical): External Power: 800 mA @ 10 VDC; POT: 500 mA @ 5 VDC
CURRENT	150 mA @ 10 VDC
OPERATING (TYPICAL)	External Power: 10-30 VDC; POT: 5 VDC +/- 10%
INPUT VOLTAGE	

ENVIRONMENTAL

AMBIENT LIGHT	0 - 100,000 lux
DROP RESISTANCE	Cradle: Withstands 50 drops from 1.2 m / 3.9 ft onto a concrete surface PM9500: Withstands 50 drops from 2.0 m / 6.6 ft onto a concrete surface
ESD PROTECTION (AIR DISCHARGE)	20 kV
HUMIDITY (NON-CONDENSING)	95%
PARTICULATE AND WATER SEALING	IP65
TEMPERATURE	Operating: -20 to 50 °C / -4 to 122 °F Battery Charging: 0 to 45 °C / 32 to 113 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F

INTERFACES

INTERFACES	Keyboard Wedge; RS-232; RS-485; USB: OEM USB; USB COM; USB HID Keyboard; Optional Ethernet (Standard, Industrial)
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PHYSICAL CHARACTERISTICS

COLORS AVAILABLE	Yellow/Black
DIMENSIONS	Cradle: 24.0 x 10.8 x 9.5 cm / 9.4 x 4.3 x 3.8 in PM9500: 21.2 x 11.0 x 7.4 cm / 8.3 x 4.3 x 2.9 in PM9500-D, PM9500-DK: Display Type: Graphic with White Backlight; Font Dimensions: User selectable (6 lines x 21 columns default); Screen Dimensions: 48 x 132 pixels PM9500-D: 4 Configurable Keys PM9500-DK: 16 Configurable Keys
DISPLAY	PM9500: 380.0 g / 13.4 oz PM9500-D: 400.0 g / 14.1 oz PM9500-DK: 414.0 g / 14.6 oz
KEYPAD	
WEIGHT	

READING PERFORMANCE

IMAGER SENSOR	PM9500: 864 x 544; PM9500-HP: 1280 x 1024
LIGHT SOURCE	Aiming: 630 - 680 nm VLD; Illumination: White LEDs
PRINT CONTRAST RATIO (MINIMUM)	15%
READING ANGLE	Pitch: +/- 40°; Roll (Tilt): 360°; Skew (Yaw): +/- 40°
READING INDICATORS	Beeper (Adjustable Tone and Volume); Datalogic's 3GL™ (Three Green Lights) technology and loud beeper for good-read feedback; Datalogic 'Green Spot' on the Code, Dual Good Read LEDs
RESOLUTION (MAXIMUM)	PM9500: 1D Codes: 4 mil; 2D Codes: 7.5 mil PM9500-HP: 1D Codes: 2.5 mil; 2D Codes: 4 mil

READING RANGES

TYPICAL DEPTH OF FIELD	Minimum distance determined by symbol length and scan angle; Printing resolution, contrast, and ambient light dependent.
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PM9500		PM9500-HP	
4 mils	6.0 to 17.0 cm / 2.3 to 6.7 in	2.5 mils	2.0 to 6.0 cm / 0.8 to 2.3 in
7.5 mils Data Matrix	9.0 to 12.0 cm / 3.5 to 4.7 in	4 mils Data Matrix	2.0 to 6.0 cm / 0.8 to 2.3 in
10 mils Data Matrix	4.0 to 18.0 cm / 1.5 to 7.0 in	10 mils Data Matrix	2.0 to 20.0 cm / 0.8 to 7.8 in
10 mils PDF417	2.0 to 25.0 cm / 0.8 to 9.8 in	10 mils PDF417	2.0 to 30.0 cm / 0.8 to 11.8 in
13 mils	4.0 to 45.0 cm / 1.5 to 17.7 in	13 mils	3.0 to 60.0 cm / 1.1 to 23.6 in
20 mils	4.0 to 55.0 cm / 1.5 to 21.6 in	20 mils	3.0 to 70.0 cm / 1.1 to 27.5 in
40 mils	4.0 to 85.0 cm / 1.5 to 33.4 in	40 mils	3.0 to 110.0 cm / 1.1 to 43.3 in

SAFETY & REGULATORY

AGENCY APPROVALS	The product meets necessary safety and regulatory approvals for its intended use. The Quick Reference Guide for this product can be referred to for a complete list of certifications.
ENVIRONMENTAL COMPLIANCE	Complies to China RoHS; Complies to EU RoHS; Complies to R.E.A.C.H.
LASER CLASSIFICATION	Caution Laser Radiation - Do not stare into beam CDRH Class II: IEC 60825 Class 2
LED CLASSIFICATION	IEC 62471 Class 1 LED

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
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ACCESSORIES

Base Stations/Chargers



- BC9030-433 / BC9030-910 Base/Charger, Multi-Interface



- BC9130-433 / BC9130-910 Base/Dual Charger, Multi-Interface
- BC9160-433 / BC9160-910 Base/Dual Charger, Multi-Interface/RS-485
- BC9180-433 / BC9180-910 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

Datalogic Powerscan PM9500 Barcode Scanners

Item number	Description
PM9500-DKH-P433RK20	PowerScan PM9500 RS232 Kit, 433MHZ (Kit includes PM9500-DKHP433RB Scanner, Base BC9030-433, Power Brick/EU Cord, CAB-433)
PM9500-DKH-P910RK20	PowerScan PM9500 RS232 Kit, 910MHZ (Kit includes PM9500-DKHP910RB Scanner, Base BC9030-910, Power Brick/US Cord, CAB-433)
PM9500-DKH-P433RK10	PowerScan PM9500 USB Kit, 433MHZ (Kit includes PM9500-DKHP433RB Scanner, Base BC9030-433, Power Brick/EU Cord, CAB-438)
PM9500-DKH-P910RK10	PowerScan PM9500 USB Kit, 910MHZ (Kit includes PM9500-DKHP910RB Scanner, Base BC9030-910, Power Brick/US Cord, CAB-438)
PM9500-HP433RBK20	PowerScan PM9500, 433 MHz, High Performance/Liquid Lens, RS-232 Kit, Removable Battery (Kit inc. Scanner, Base Station BC9030-433, Cable CAB-433, Power Brick 8-0935 and Power Cord 6003-0940.)
PM9500-HP433RBK10	PowerScan PM9500, 433 MHz, High Performance/Liquid Lens, USB Kit, Removable Battery (Kit inc. Scanner, Base Station BC9030-433, Cable CAB-438, Power Brick 8-0935 and Power Cord 6003-0940.)
PM9500-DKHP433RB	PowerScan PM9500, 433 MHz, High Performance/Liquid Lens, Display/16-key Keypad, Removable Battery
PM9500-DHP433RB	PowerScan PM9500, 433 MHz, High Performance/Liquid Lens, Display/4-Key Keypad, Removable Battery
PM9500-DH-P433RBK20	PowerScan PM9500, 433 MHz, High Performance/Liquid Lens, Display/4-Key Keypad, RS-232 Kit, Removable Battery (Kit inc. Scanner, Base Station BC9030-433, Cable CAB-433, Power Brick 8-0935 and Power Cord 6003-0940.)
PM9500-DH-P433RBK10	PowerScan PM9500, 433 MHz, High Performance/Liquid Lens, Display/4-Key Keypad, USB Kit, Removable Battery (Kit inc. Scanner, Base Station BC9030-433, Cable CAB-438, Power Brick 8-0935 and Power Cord 6003-0940.)
PM9500-HP433RB	PowerScan PM9500, 433 MHz, High Performance/Liquid Lens, Removable Battery
PM9500-433RB	PowerScan PM9500, 433 MHz, Standard Range, Removable Battery
PM9500-433RBK20	PowerScan PM9500, 433 MHz, Std Range, RS-232 Kit, Removable Battery (Kit inc. Scanner, Base Station BC9030-433, Cable CAB-433, Power Brick 8-0935 and Power Cord 6003-0940.)
PM9500-433RBK10	PowerScan PM9500, 433 MHz, Std Range, USB Kit, Removable Battery (Kit inc. Scanner, Base Station BC9030-433, Cable CAB-438, Power Brick 8-0935 and Power Cord 6003-0940.)
PM9500-HP910RBK20	PowerScan PM9500, 910 MHz, High Performance/Liquid Lens, RS-232 Kit, Removable Battery (Kit inc. Scanner, Base Station BC9030-910, Cable CAB-433, Power Brick 8-0935 and Power Cord 6003-0941.)
PM9500-HP910RBK10	PowerScan PM9500, 910 MHz, High Performance/Liquid Lens, USB Kit, Removable Battery (Kit inc. Scanner, Base Station BC9030-910, Cable CAB-438, Power Brick 8-0935 and Power Cord 6003-0941.)
PM9500-DKHP910RB	PowerScan PM9500, 910 MHz, High Performance/Liquid Lens, Display/16-key Keypad, Removable Battery
PM9500-DHP910RB	PowerScan PM9500, 910 MHz, High Performance/Liquid Lens, Display/4-Key Keypad, Removable Battery
PM9500-DH-P910RBK20	PowerScan PM9500, 910 MHz, High Performance/Liquid Lens, Display/4-Key Keypad, RS-232 Kit, Removable Battery (Kit inc. Scanner, Base Station BC9030-910, Cable CAB-433, Power Brick 8-0935 and Power Cord 6003-0941.)

Datalogic Powerscan PM9500 Barcode Scanners

Item number	Description
PM9500-DH-P910RBK10	PowerScan PM9500, 910 MHz, High Performance/Liquid Lens, Display/4-Key Keypad, USB Kit, Removable Battery (Kit inc. Scanner, Base Station BC9030-910, Cable CAB-438, Power Brick 8-0935 and Power Cord 6003-0941.)
PM9500-HP910RB	PowerScan PM9500, 910 MHz, High Performance/Liquid Lens, Removable Battery
PM9500-910RB	PowerScan PM9500, 910 MHz, Standard Range, Removable Battery
PM9500-910RBK20	PowerScan PM9500, 910 MHz, Std Range, RS-232 Kit, Removable Battery (Kit inc. Scanner, Base Station BC9030-910, Cable CAB-433, Power Brick 8-0935 and Power Cord 6003-0941.)
PM9500-910RBK10	PowerScan PM9500, 910 MHz, Std Range, USB Kit, Removable Battery (Kit inc. Scanner, Base Station BC9030-910, Cable CAB-438, Power Brick 8-0935 and Power Cord 6003-0941.)

Accessories

Item number	Description
BC9030-433	BC9030 Base Station/Charger, 433 MHz, Multi-Interface (RS-232, USB and KBD Wedge)
BC9030-910	BC9030 Base Station/Charger, 910 MHz, Multi-Interface (RS-232, USB and KBD Wedge)
BC9130-433	BC9130 Base Station/ Dual Charger, 433 MHz, Multi-Interface (RS-232, USB and KBD Wedge), Spare Battery Slot
BC9130-910	BC9130 Base Station/ Dual Charger, 910 MHz, Multi-Interface (RS-232, USB and KBD Wedge), Spare Battery Slot
BC9160-433	BC9160 Base Station/Dual Charger, 433 MHz, Multi-Interface (RS-232, USB, KBD Wedge and RS485), Spare Battery Slot
BC9160-910	BC9160 Base Station/Dual Charger, 910 MHz, Multi-Interface (RS-232, USB, KBD Wedge and RS485), Spare Battery Slot
BC9180-433	BC9180 Base Station/Dual Charger, 433 MHz, Ethernet
BC9180-910	BC9180 Base Station/Dual Charger, 910 MHz, Ethernet
MC-P090	Battery Charger, 4-Slot, MC-9000; (requires the 94ACC4595 power supply)
CHR-P090	Battery Charger, C-9000
FBP-PM90	Battery Pack, Fixed, FBP-9000
RBP-PM90	Battery Pack, Removable, RBP-9000
CAB-485	Cable, KBW 3151, 347x, 378x, Coiled, CAB-485, 11 ft.
CAB-437	Cable, KBW, PS/2, Coiled, CAB-437, 9 ft.
CAB-463	Cable, KBW, PS/2, Laptop, Coiled, 3.6 m, CAB-463
CAB-462	Cable, KBW, PS/2, PWR, Coiled 3.6 m, CAB-462
CAB-436	Cable, KBW, PS/2, Straight, CAB-436, 6 ft.
CAB-474	Cable, RS-232 PWR, 25P, Female, Coiled, 3.6 m, CAB-474
CAB-477	Cable, RS-232 PWR, 25P, Female, Coiled, 7.6 m, CAB-477
CAB-459	Cable, RS-232 PWR, 9P, Female, Coiled, 3.6 m, CAB-459

Accessories

Item number	Description
CAB-434	Cable, RS-232 PWR, 9P, Female, Coiled, CAB-434, 8 ft.
CAB-501	Cable, RS-232 PWR, 9P, Female, Straight, 3.2 m, CAB-501
CAB-433	Cable, RS-232 PWR, 9P, Female, Straight, CAB-433, 6 ft.
CAB-471	Cable, RS-232, 25P, Female, Coiled, CAB-471, 10 ft.
CAB-512	Cable, RS-232, 25P, Male, CBX800 Power Off Terminal, Coiled, 12 ft.
CAB-509	Cable, RS-232, 25P, Male, CBX800, External Power, Coil, 12 ft
CAB-472	Cable, RS-232, 25P, Male, Coiled, CAB-472, 10 ft.
CAB-479	Cable, RS-232, 9D, Female, POT, Coiled, 25 ft, 90A052014, CAB-479
CAB-448	Cable, RS-232, 9P, Female, Straight, CAB-448, 6 ft.
CAB-456	Cable, RS-232, 9P, Male, Coiled, 3.6 m, CAB-456
CAB-461	Cable, RS-232, RJ10 Magellan Bi-Optic AUX Port, Coiled, 3.6 m, CAB-461, 12 ft.
CAB-467	Cable, USB, Type A, Coiled, 3.6 m, CAB-467, 12 ft.
CAB-524	Cable, USB, Type A, Coiled, POT, CAB-524, 8 ft.
CAB-465	Cable, USB, Type A, Straight, 3.6 m, CAB-465
CAB-438	Cable, USB, Type A, Straight, CAB-438, 6.5 ft.
HLD-P080	Holder, Desk/Wall Mount
HLS-P080	Holster, Universal, HLS-8000
PC-P090	Protective Case/Belt Holster, PC-9000
RWD-P090-PL	Replaceable Window, Plastic, RWB-9000
7-0404	Industrial Take Up Reel
STD-P090	STAND,HANDS-FREE,STD-9000
VMK-P090	Vehicle Mount Kit, VMK-9000
8-0935	Power Adapter, 12V DC, AC/DC Regulated, RoHS (For Use with 6003-XXXX Power Cords)
6003-0941	Power Cord, 110V, US, Standard
6003-0925	Power Cord, 220V, Australia
6003-0924	Power Cord, 220V, Italy/Chile
6003-0923	Power Cord, 240V, UK
6003-0940	Power Cord, AC, IEC/EU
6003-0926	Power Cord, IEC C13, Argentina

Service Agreements

Item number	Description
ZR0PM95MIN	MINIMUM REPAIR CHARGE, POWERSCAN PM/BT95XX
ZR0PM95BMIN	MINIMUM REPAIR CHARGE,PM/BT95XX BASE
ZSC2PM95B31	POWERSCAN PM/BT95 BASE, 2 DAYS, 3 YEARS, COMPREHENSIVE
ZSC2PM95B51	POWERSCAN PM/BT95 BASE, 2 DAYS, 5 YEARS, COMPREHENSIVE
ZSC2PM95BR1	POWERSCAN PM/BT95 BASE, 2 DAYS, RENEWAL, COMPREHENSIVE
ZSN5PM95B31	POWERSCAN PM/BT95 BASE, 5 DAYS, 3 YEARS
ZSN5PM95B51	POWERSCAN PM/BT95 BASE, 5 DAYS, 5 YEARS
ZSN5PM95BR1	POWERSCAN PM/BT95 BASE, 5 DAYS, RENEWAL
ZSC1PM95B31	POWERSCAN PM/BT95 BASE, OVERNIGHT, 3 YEARS, COMPREHENSIVE
ZSC1PM95B51	POWERSCAN PM/BT95 BASE, OVERNIGHT, 5 YEARS, COMPREHENSIVE
ZSC1PM95BR1	POWERSCAN PM/BT95 BASE, OVERNIGHT, RENEWAL, COMPREHENSIVE
ZSC2PM9531	POWERSCAN PM/BT95XXSR, 2 DAYS, 3 YEARS, COMPREHENSIVE
ZSC2PM9551	POWERSCAN PM/BT95XXSR, 2 DAYS, 5 YEARS, COMPREHENSIVE
ZSC2PM95C1	POWERSCAN PM/BT95XXSR, 2 DAYS, RENEWAL, COMPREHENSIVE
ZSN5PM9531	POWERSCAN PM/BT95XXSR, 5 DAYS, 3 YEARS
ZSN5PM9551	POWERSCAN PM/BT95XXSR, 5 DAYS, 5 YEARS
ZSN5PM95C1	POWERSCAN PM/BT95XXSR, 5 DAYS, RENEWAL
ZSC1PM9531	POWERSCAN PM/BT95XXSR, OVERNIGHT, 3 YEARS, COMPREHENSIVE
ZSC1PM9551	POWERSCAN PM/BT95XXSR, OVERNIGHT, 5 YEARS, COMPREHENSIVE
ZSC1PM95C1	POWERSCAN PM/BT95XXSR, OVERNIGHT, RENEWAL, COMPREHENSIVE
ZR0PM95MAX	WHOLE UNIT REPAIR, POWERSCAN PM/BT95XX
ZR0PM95BMAX	WHOLE UNIT REPAIR, POWERSCAN PM/BT95XX BASE

MORE DATALOGIC BARCODE SCANNERS

Datalogic offers several different barcode scanners.
Find more models here:

<http://www.datalogic.com/eng/products/automatic-data-capture/industrial-handheld-scanners-pc-4.html>

