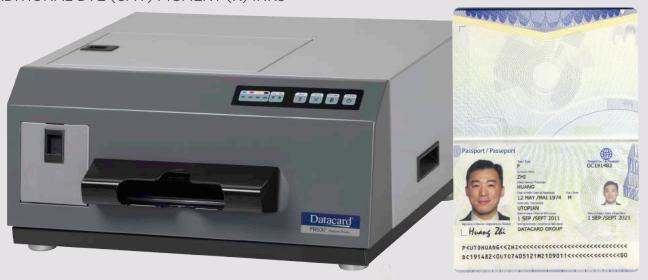# DATACARD® PB500™ GEN 2/D PASSPORT PRINTER
FOR TRADITIONAL DYE (CMY) PIGMENT (K) INKS

INTELLIGENT FEATURES ENHANCE YOUR PASSPORT PROGRAM

- Personalize ICAO-compliant passports with traditional dye (CMY) and pigment (K) inks
- Close-match output printing to the PB6500 Passport Issuance System
- Superior quality image printing with high-capacity ink cartridges and printheads

The clear choice for secure, high-quality passport printing

The Datacard® PB500™ Gen 2/D passport printer enhances scalability by complementing the quality and security of the high-volume Datacard® PB6500™ passport issuance system. Ideal for a distributed passport issuance model, this stand-alone printer offers the exceptional reliability and unmatched versatility you need to deliver high-quality passports quickly and easily — with a consistently low cost of ownership.

- **Achieve close-match output.** High-quality inkjet printing allows you to print passports with close-match output to passports printed on the high-volume PB6500 passport issuance system.

- **Reduce operation costs and maximize productivity.** Individual high-capacity, rapid-change ink cartridges measurably increase productivity and reduce costs by minimizing the need to stop and replenish ink supply.

- **Increase efficiency with enhanced tools.** An optional integrator toolkit can help provide a faster and more simplified passport program deployment in new environments or existing sites where printers are being replaced. An optional on-board camera supports OCR and print alignment applications.

- **Exceptional reliability.** An improved industrial design, compact footprint and convenient single front-loading tray — for both input and output — contribute to exceptional reliability and low total cost of ownership.

Datacard®

Printer Specifications

Printer Functionality & technology	Prints full color, tonal or black and white photos, images and text directly on paper pages within a manually & Technology fed open ID3 booklet, using 4 color inkjet technology
Rated Speed	Printer provides choice of two modes: Plain Paper Normal and Plain Paper Best. • Through use of the Plain Paper Normal print mode, printing a typical data page is close to 9 seconds*. (This mode optimizes the printing speed, but sacrifices print quality). • In Plain Paper Best print mode, printing a typical data page takes less than 13 seconds*. (This mode optimizes the print quality, while requiring only a few seconds more printing time). *Exclusive of RFID and camera functionality
Print resolution	Up to 1200 dpi (black text only) or 4800 dpi (full 4 color CMYK)
Text Formats	True Type fonts for Microsoft® Windows® operating systems including OCR-B for MRZ
Image Formats	Certain versions or features of the following image formats may be supported: BMP, GIF, JPEG, PNG and TIFF
Operator Supply Notifications	• Ink cartridge supply out • Ink cartridge supply low • No ink cartridges installed, or cartridges defective
Passport Booklets Supported	Supports ID3 ICAO 9303-compliant paper booklets, up to 100 pages Alternative sizes may be available upon request
Printer Dimensions	8.9 in. H x 20.3 in. W x 18.7 in. D (22.0 cm x 50.0 cm x 44.5 cm)
RFID Encoding Device	Identive Cloud
Printer Weight	48.5 lbs (22.0 kg)
Power Consumption	32W (per ISO 10561 Letter Pattern), approx. 4W in standby mode
Input Voltage	100V to 240 VAC, 50 to 60 Hz
Operating Environment	Temperature: 59 to 95°F (15 - 35°C), Humidity: 20 - 60% RH (non-condensing)
Recommended Storage Environment	Temperature: 32 to 77°F (0 - 25°C), Humidity: 40 - 60% RH (non-condensing) Keep away from heat source and direct sunlight
Noise Level	(ISO 9296) 5.3 B(A) Best Mode LwAd; 39.6 db (A) Sound Pressure LpAm
Power Cables	Supplied with printer
Agency Approvals	UL, CE

Integration with Passport Issuing Site Operational Data Flow

Supported Client	Operating Systems supported and available printer drivers: Microsoft® Windows® XP, Microsoft® Windows® 2000, Microsoft® Windows® 7, 32 bit , Windows 7, 64 bit
Printer Hardware Interface	USB 2.0
Printer Language	HP PCL Level 3 Enhanced
User Interface and Software	Controller PC not included. Software applications for programming the passport chip, driving the camera for print alignment or optical character read are not included with the printer. These must be developed either by the end user, the integrator or Datacard. Datacard PB500 Integration Toolkit may be purchased to configure the printer, customize printer tray functionality, chip encoding and camera function and to integrate PB6500 with existing passport data prep solutions. Alternatively users can develop own interface by using the lower level SDK (printer tray customization only) that is shipped free of charge. If camera and RFID functionality is also needed, use third party tools.

PB500 Passport Gen 2/D Printer Options All items include driver CD, CMYK ink cartridges and 2 print heads

Item Number	Description
511347-001	Datacard® PB500 Gen 2/D Passport Inkjet Printer, pre-configured to use traditional dye (CMY) pigment (K) inks. Includes RFID device, and on-board camera for print alignment.
511347-002	Datacard® PB500 Gen 2/D Passport Inkjet Printer, pre-configured to use traditional dye (CMY) pigment (K) inks.
511347-003	Datacard® PB500 Gen 2/D Passport Inkjet Printer, RFID, pre-configured to use traditional dye (CMY) pigment (K) inks. Includes RFID device.
511347-004	Datacard® PB500 Gen 2/D Passport Inkjet Printer, pre-configured to use traditional dye (CMY) pigment (K) inks. Includes on-board camera for print alignment.

PB500 Passport Gen 2/D Printer Ink Supplies

Item Number	Description
810734-100	Cyan dye ink cartridge – 28ml
810734-101	Magenta dye ink cartridge – 28ml
810734-102	Yellow dye ink cartridge – 28ml
810734-103	Black pigment ink cartridge – 66ml

Replacement Print heads for PB500 Passport Gen 2/D Printer

Item Number	Description
810584-100	Dual black and yellow print head
810584-101	Dual cyan and magenta print head

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