MATICA

Technologies for a safe world

P402i

DESKTOP INK-JET PASSPORT PRINTER

Designed to fit in any office environment, the Matica P402i is a four-color highly secure desktop inkjet printer and encoder for machine-readable ePassport booklets. Combining a state-of-the-art printing engine, RFID ICAO-9303 compliant chip reader/encoder and a high-definition digital camera, the P402i provides governments and administrations with a leading-edge desktop ePassport issuance solution.

Reliable and easy-to-use, the Matica P402i ink-jet ePassport printer benefits from advanced printing engine architecture, specifically developed to ensure high performance, reliability and production efficiency.

Available in two configurations (pigmented ink and dyes), the P402i passport printer uses a four-color (C, M, Y, K) cartridge high-speed thermal inkjet printing engine, able to operate in two modes: text and photo mode aimed to speed up the printing process while ensuring a high quality printed photograph.
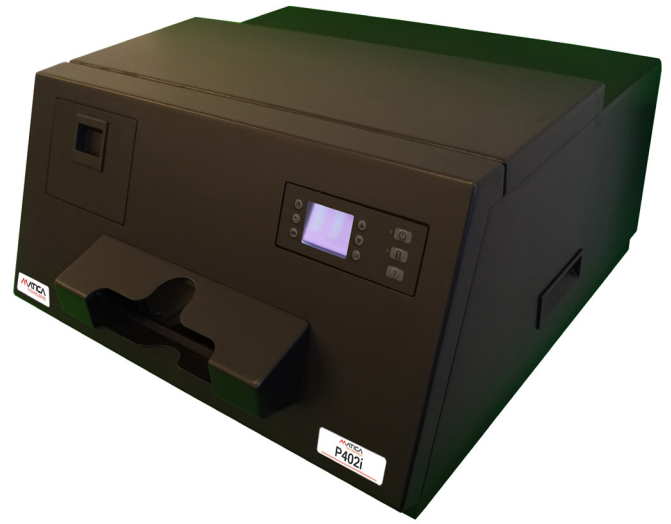
The large cartridge capacity enables the issuance of up to 8,000 booklets (average) and prevents downtime during operation. Each page can be individually printed, or personalized in pairs.

Encoding and data verification options allow RFID ICAO 9303 compliant chip encoding and chip reading for data verification for ePassport issuance. The visual control is performed via data capture through a camera to allow data consistency check and data verification. Each booklet is automatically verified by the application before final human visual validation.

The P402i has an elegant and compact design. Its low noise level makes it the ideal solution for passport booklet issuance in any office environment. The graphical monochrome LCD user interface allows easy and friendly operation, allowing the adjustment of various settings.

- **4800 x 1200 dpi resolution per color**
- **ICAO 9303 compatible**
- **Reliable and easy-to-use**

P402i

DESKTOP INK-JET PASSPORT PRINTER

TECHNICAL SPECIFICATIONS

Print technology	4-Color thermal inkjet printing
Print resolution	Black: 1200 x 1200 dpi
	Color: 4800 x 1200 dpi per color
Print mode	Text and Photo mode aimed at speeding-up the printing process
Print speed	Standard mode: <9s per booklet [1] High quality mode: <26s per booklet
Print and encoding speed	Up to 120 booklets per hour [2] (sequential data page and chip personalization)
Booklet	ICAO9303 compliant booklets Booklet page to remain between 124.8mm to 125.2mm Up to 96 pages [3]
Available inks	Pigmented Ink: C, M, Y, K (standard version) One cartridge per color C, M, Y, K
Cartridge capacity inks	C, M, Y: 26ml K: 78.4ml One set of C, M, Y, K ink supplied with the printer
Printing head	Hot swap replacement printing head, independent from the ink cartridges
RFID reader/encoder option	USB 2.0 Full speed (12Mbps), USB CCID protocol, PC/SC 2.01ICAO 9303 compliant (MRTD), ISO1443 Part 1 to 4 Type A/B, T=CL and Mifare Fixed antenna: encoding before/after printing
Automated reading process	Automatic booklet detection once inserted within the tray, allowing automatic clamping and then tray insertion

Vision option (data check)	2 Mpixels color CMOS sensor, fixed focus USB 2.0 Offset registration, data capture (full page) and verification
User interface (LCD)	Graphical monochrome LCD to manage daily operation and printer status.
	Language selection: English, Spanish, German, French, Italian
Connectivity interface	Single connection, USB 2.0 B-type Internal USB Hub (all slots allocated) USB cable, 1.8 meter length supplied Optional Ethernet 100BaseT
Operating system	Windows 7, 10 (32 & 64 bits) and 11 (64 bits)
Device integration	SDK including API and DLL for application software integration: printer, RFID, digital camera and illumination system. Programing language C#
Printer dimensions (HxWxD)	26.5cm x 51.5cm x 52cm (10.43" x 20.26" x 20.47")
Weight	16 kg. (35.27 Lbs)
Power supply	100-240V AC (+/- 10%), 4 A, 50-60 Hz
Operating environment	Temperature: 15ºC - 35ºC (59ºF - 95ºF)
Storage conditions	Temperature: -20ºC to 70ºC (-4ºF - 158ºF) Humidity: 20% - 80% (non-condensing)
Ink storage / use conditions	12 months from manufacturing date (6 months after installation)
Quality standards	WEEE, RoHS, CE
Noise level	ISO9296. Best mode:LwAd 5.3 B(A) Sound pressure: LpAm 39.6 db (A)
Warranty	12 months. (warranty extension on request)

[1] Page-2 printing depends on chip characteristics and chip management application
[2] Sequential data page and chip personalization ICAO page-2 printing time: approx. 6.5 sec. - printing only without booklet handling)
[3] Sample may be requested by the production team to adjust the device according to the booklet characteristics (subjected to a number of units)

- **Passport**
- **ePassport issuance**
- **VISA**

Authorized Reseller / System Integrator

maticacorp.com