



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 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 inkjet 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 P40i passport printer uses a four-color (C, M, Y, K) cartridges 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 allows issuing up to 8,000 booklets (average) and prevents downtime during operation, delivering up to 180 passports per hour. Each page can be individually printed, or personalized in pairs (printing, for instance, pages 2 & 3 in one pass).

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.

- 2.400 x 1.200 dpi resolution per color
- Up to 180 passports per hour
- ICAO 9303 compatible
- Reliable and easy-to-use

P402i



P402i

DESKTOP INK-JET PASSPORT PRINTER

TECHNICAL SPECIFICATIONS

Print technology	4-Color thermal inkjet printing	Vision option (data check)	2 Mpixels color CMOS sensor, fixed focus USB 2.0 Offset registration, data capture (full page) and verification
Print Resolution	Black: 1200 x 1200 dpi Color: 2400 x 1200 dpi per color	User Interface (LCD)	Graphical monochrome LCD to manage daily operation and printer status. Language selection: English, Spanish, German, French, Italian
Print mode	Text and Photo mode aimed at speeding-up the printing process	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
Print speed	Up to 180 booklets per hour ⁽¹⁾	Operating System	Windows 10 (32 & 64 bits)
Print and encoding speed	Up to 120 booklets per hour ⁽²⁾ (sequential data page and chip personalization)	Device integration	SDK including API and DLL for application software integration: printer, RFID, digital camera and illumination system. Programming language C#
Booklet	ICAO9303 compliant booklets Booklet page to remain between 124.8mm to 125.2mm From 24 up to 96 pages ⁽³⁾	Printer dimensions (HxWxD)	26.5cm x 51.5cm x 52cm (10.43" x 20.26" x 20.47")
Available inks	Pigmented Ink: C, M, Y, K (standard version) One cartridge per color C, M, Y, K	Weight	16 kg. (35.27 Lbs)
Cartridge capacity inks	C, M, Y: 26ml K: 78.4ml One set of C, M, Y, K ink supplied with the printer	Power Supply	100-240V AC (+/- 10%), 4 A, 50-60 Hz
Printing Head	Hot swap replacement printing head, independent from the ink cartridges	Operating Environment	Temperature: 15°C - 35°C (59°F - 95°F)
RFID reader/encoder option	USB 2.0 Full speed (12Mbps), USB CCID protocol, PC/SC 2.01 ICAO 9303 compliant (MRTD), ISO1443 Part 1 to 4 Type A/B, T=CL & Mifare Fixed antenna: encoding before/after printing	Storage Conditions	Temperature: -20°C to 70°C (-4°F - 158°F) Humidity: 20% - 80% (non-condensing)
		Ink storage and 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