

E-PASSPORT
PERSONALIZATION
PRINTER

MATICA
TECHNOLOGIES



P102i





P102i

E-PASSPORT PERSONALIZATION PRINTER

The P102i is a four-color high secure inkjet printer for machine readable travel documents dedicated especially for ePassport & Visa issuance, according to ICAO 9303 regulation.

THE SECURE CHOICE FOR YOUR TRAVEL DOCUMENTS

Based on OEM printing technology by Hewlett Packard, it can easily process ordinary and diplomatic passports with up to 100 pages. Other than the standard ICAO page with MRZ, each single page can get its individual printout and data for Visa, associated kids, observation page. The versatile P102i offers a high speed printing engine with 4 long lasting ink tanks and includes all features required by issuance applications, perfectly fitting into government office environments.

PRINTING SYSTEM - SPEED, RELIABILITY AND DURATION

The P102i is based on a high end OEM printing engine from HP, featuring dual 7/8" printing head and separate ink tanks for black and for each individual color. Both dye and pigmented inks can be used, where the most common combination is the black pigmented - perfect for MRZ and text printing - together with the CMY colors dye, that ensure perfect photo quality. The ink cartridges are monitored by the software driver to avoid wrong printing and are very easy to replace, thus allowing the end users to do it. Every tank -black or color - has a very long shelf and on-board life time and is individually sold and available. The P102i can print over 10.500 ICAO data pages with a single standard supplies kit. The front operating panel with function keys and LED indicators supports a friendly user interaction, while the new cover is clean and rugged, still featuring a stylish design fitting space and most locations.

OPTIONAL CAMERA SYSTEM

The Camera System enables to print holder's data to a pre-printed form. The camera can retrieve information such as passport number from the document.

TECHNICAL SPECIFICATIONS

Throughput

Up to 120 passport pages per hour depending on printing mode selected and with RFID & Camera System disabled

Printing Technology

4 Color Thermal Ink-Jet Printing

Printing Resolution

Up to 4800 dpi

Printer Driver

Windows XP/7/8

Printer Language

HP PCL Level 3 Enhanced

Ink Cartridge 1- Visible Ink

Cyan, Magenta, Yellow, Black (others on request)

Ink Cartridge 2- Invisible Ink

UV Blue or UV Red (others on request)

Visible under UV light 254 nm or 365 nm only: IR (on request)

Media – Machine Readable Passbook

Up to 100 pages

System

64 Bit CPU MIPS 5KF, 300 MHz, 32 MB RAM, 16 MB Flash ROM

Interface

High Speed USB 2.0

Fast Ethernet 10/100 Base-TX

Dimensions & Weight

L x W x H: 47 x 47 x 20 cm

Weight: 15 kg

Power Consumption

2 W max. when off

4 W average when idle

30 W average when printing

Electrical Requirements

Power supply: 100 to 230 VAC (+/- 10%); 50/60 Hz (+/- 3 Hz)

Operating Environment

15°C to 35°C (59°F to 95°F)

20% to 80% RH

Storage Environment

-20°C to 70°C (-4°F to 158°F)

5% to 85 % RH

Noise Level (ISO 9296)

5.3 B(A) Best Mode LwAd

39.6 db (A) Sound Pressure LpAm