XID8600

Designed for ultra high-resolution secure card printing

Government Environment Agency

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Division: Unit 4
Expires: MAY 2030

ID No: **466813GEA**

Matica's **XID8600 is a premium quality printer**, perfectly suited for the most demanding ID card programs requiring high definition and high security printing. Its 600dpi printhead delivers **outstanding image quality** combined with **security printing**, including microtext and covert UV printing to increase the number of Visual Security Elements (VSEs) on the card.

Built on the established XID series print engine, the XID8600 is durable and reliable. This, in combination with its high security print options, large capacity ribbons (1000 images) and its ability to print on durable card materials such as PC and ABS, make it ideal for **high-volume secure government ID schemes**, including driver's licenses and national ID cards.

XID8600 delivers...

- 600 x 600dpi dual-sided printing
- 200 card input feeder / output hopper
- Robust and durable print engine
- Consistent print quality on multiple card surfaces/materials
- High capacity consumables (1000 images)
- Security printing including microtext and UV
- Up to 125 cards per hour
- USB and Ethernet

Ideal for...

- Secure government ID card programs
- Increased card security
- Mid to high volume desktop issuance

Standard features

Print type	300 dpi	120 cph
Retransfer dye sublimation	Resolution	Full color

Print mode	Capacity	Ethernet
1 or 2 sided	200 Input / output 100	

Optional features

Encoding	UV printing
Options	Option

Lamination	Bend remedy
Inline option	

GROUP

Tailored, secure retransfer printing

The **XID8600 can be customized** according to a project's precise requirements. Both internal and external modules can be added to suit the required usage. Since sophisticated ID card applications normally require personalization on both sides of the card, the standard XID8600 model comes equipped for **duplex printing**, due to the factory-fitted built-in flipper module. A 200-card feeder and output hopper (for cards with a standard thickness of 0.76 mm) is similarly integrated.

For **secure technology based cards**, an inline contact or contactless chip encoder, as well as a magnetic stripe encoder are also available. The XID8600 can be seamlessly connected to single or dual-sided **inline lamination modules** (Matica's ILM-LS or ILM-DS) to increase the durability and tamper-resistance of cards.

Printer specifications

Print technology
Dye-sublimation, retransfer

Print resolution
600 dpi

Print area
ISO CR-80, 85.60 x 53.98 mm

Print speed
Color: Up to 125 cards per hour (single-sided)

Print mode
Single and dual-sided

Communications interface
USB 2.0, Ethernet

Printer security
Support for Kensington® security lock

Printer dimensions (HxWxD)
343 x 322 x 360 mm / 13.5" x 12.7" x 14.2"

Weight
13.9 kg / 30.6 lb (excluding optional built-in items)

Power supply
• 220-240V/100-120V, 50-60 Hz
• Standby mode and reduced power consumption

Operating environment
• Temperature: 15ºC - 30ºC, 59ºF - 86ºF
• Humidity: 35% - 70% (non-condensing)

Storage conditions
• Temperature: -5ºC to -70ºC, 23ºF to 158ºF
• Humidity: 20% to 70% (non-condensing)

Certifications
RoHs, CE, FCC, CQC, UL, WEEE, Proposition 65 (California, USA)

Warranty

3 years (subject to the use of chromXpert® ribbons)
Printhead: Lifetime warranty

Card specifications

Input hopper capacity
200 cards (0.76 mm / 30 mil thickness)

Output hopper capacity
100 cards, 100 reject bin

Card thickness
0.25 mm − 1.02 mm / 10 mil − 40 mil
(Hopper adjustment required)

Card types
ISO CR80, PVC, PVC-C, PET-F, PET-G, ABS, PC

Software specifications

XPS printer driver
• Windows® (32/64bit) 7, 8.1, 10, 11, Server 2012, 2016, 2019, 2022.

Options

Smart card / Contactless encoding
• Contact PC/SC, EMV compliant
• Smart contact station: ISO 7816-2
• ISO14443A, B, ISO15693, MIFARE®, DESFire®, HID iClass®

Magnetic stripe
ISO 7811 HiCo/LoCo (factory fit only)

Lamination
Inline single or dual-sided module

Consumables

chromXpert

• To ensure print quality and card durability, printhead lifespan and overall printer reliability, use chromXpert ribbons only.

• Supply cores and cassettes are recyclable. Packaging is recycled.

ChromXpert™ ribbon program	Part No.
• YMCK (1000 prints)	Diamond: **PR000816**
• YMCKK (750 prints)	Diamond: **PR000817**
• YMCKUv (750 prints)	Diamond: **PR000813**
• K (2200 prints)	Diamond: **PR000815**
• YMCKPo (750 prints)	Diamond: **PR000818**
• RT film (750 prints)	Diamond: **PR000819**
• Cleaning Kit	**DIC10044**