LX PRINTER

A PROFESSIONAL-GRADE POWERHOUSE IN A STUNNINGLY COMPACT FORM

Towering laser performance without the tower

The **LX PRINTER** delivers **next-generation laser power** with a footprint equivalent to a desktop printer.

This ultra-compact system uses the same proven **state-of-the-art laser** source as Identis's central issuance laser solutions. This makes the LX PRINTER ideal for **decentralized secure ID card issuance**, as part of a wider ID issuance scheme.

Its advanced laser source, combined with a dual module architecture delivers a solution to meet the most demanding issuance of polycarbonate based secure ID cards with embedded security features such as micro-text, tilted image/text and transparent-opaque elements.

An additional High Speed Package option is also available, enabling the personalization of up to 270 cards per hour on a typical layout.



IDEAL FOR

- **Low to mid volume** distributed issuance as part of a wider issuance scheme
- **National Identification** cards
- **Drivers licenses**
- **Other government-issued IDs**

KEY FEATURES

- **HIGH PERFORMANCE GEN 3 LX FIBER LASER**
- **UP TO 270 CARDS PER HOUR:** dependent on card layout, substrate and deployment of High Speed Package option
- **SECURITY FEATURES:** including dual-side marking, tilted image, micro text, multiple encoding options
- **DUAL CARD FEEDER:** enabling the use of two different pre-printed substrates (e.g. VRC and Drivers License)
- **VECTOR LASER AND TRUETYPE® FONTS**
- **ROBUST, RELIABLE BUILD QUALITY**
- **1 YEAR WARRANTY** (Extendable +1 year option)

STANDARD FEATURES

LASER
Personalization

DISTRIBUTED
Issuance

FONTS
Vector laser/ True Type®

150 CPH STANDARD

LX FIBER LASER
GEN 3

IDENTIS MAESTRO®
REST APIs for integration

ETHERNET

WARRANTY

DUAL FEEDER
2x200

SECURITY LOCK

REJECT BIN HOPPER
20 cards

OPTIONAL FEATURES

SMART ENCODING
Option

CLI/MLI
Marking

MSPI®
Option when used with RT printer

INLINE LAMINATION
Option

INLINE RT PRINTING
Option

EXTENDABLE WARRANTY

270 CPH HIGH SPEED PACKAGE
Option

PRINTER

Laser type
- Master Oscillator Power Amplifier (MOPA) GEN 3 LX fiber laser

Laser resolution
- 1200 dpi

Laser print area
- 56 x 88 mm over-the-edge (CR-80 cards)

Laser speed (standard model)
- 150 cph (dual-side, batch) dependent on card layout and substrate

Laser mode
- Single or dual-sided

Laser operating life
- Minimum of 10,000 hours

Communications interface
- Ethernet

Vision System
- XY Autopositioning, OCR reading, Barcode reading

Printer dimensions (HxWxD)
- 351 x 428 x 279 mm / 13.8” x 16.8” x 11”

Standard printer security
- Support for security lock
- Key lock to protect card hoppers cover
- Key lock to protect personalization chamber during card processing and to protect internal reject hopper

Power supply
- 100-240V AC, 50-60Hz, 600W

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

Certifications
- RoHS, CE, WEEE, TÜV Laser Certification

Warranty
- 1 year
- + 1 year extension available on request

CARD SPECIFICATIONS

Input hopper capacity
- Dual hoppers
- Up to 200 cards per hopper (total capacity up to 400 cards)

Output hopper capacity
- Up to 200 cards
- Reject hopper (up to 20 cards)

Card thickness
- 0.50 mm - 1.25 mm / 20 mil - 50 mil

Card types
- ISO7816, ISO7810, ISO1443
- Polycarbonate
- Other substrates subject to prior testing

SOFTWARE SPECIFICATIONS

Integration tools
- Identis Maestro REST APIs for system integrators

OPTIONS

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

Card security
- Multiple Laser Image (MLI)
- Changable Laser Image (CLI)

Inline lamination
- Single or dual-sided

Inline color retransfer printing
- Single or dual-sided
- XID-M600 printer

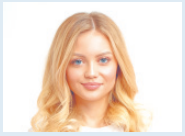
High Speed Package
- Enables speeds of up to 270cph (dual-side, batch) dependent on card layout and substrate.

MSPI® (Matica Secure Protected Image)

The LX PRINTER in combination with the XID-M600 retransfer printer enables the use of Identis’s proprietary technology, MSPI, in a decentralized issuance environment. MSPI adds an extra security feature when using polycarbonate cards by extracting the black (K) from the color image and adding it as a laser engraved secondary process in perfect register.



Color information printed with dye sublimation



+

Greyscale information laser engraved underneath



=

MSPI image



OFFICES

Europe: Switzerland HQ, Italy
Asia: Malaysia, China
USA: South Carolina, Minnesota, Ohio
Middle East: UAE (Dubai)



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