



## ISSENGO

# Card printer specifications

### STANDARD PRINTER FEATURES

#### Printer design:

- Compact printer for desktop environment
- Color touch-screen display

#### Print technology:

- Direct-to-card
- Dye-sublimation/resin thermal transfer

#### Print capability:

- One-or two-sided printing, edge-to-edge

#### Print resolution:

- 16 million colors
- Standard mode: 300x300 dpi (dots per inch)
- Extended mode: 300x600 dpi (dots per inch) for enhanced monochrome and color printing, except Kineclipse®

#### Printing performance (dual-side):

- Monochrome (KO/KO): 24 s per card
- Color YMCKO-K: 32 s per card

#### Embedded PC:

- Broadcom BCM2837B0, Cortex-A53, 64-bit SoC @ 1.4GHz, 1 GB LPDDR2 SDRAM and Micro SD format

#### Interface:

- Ethernet TCP-IP, 10BaseT, 100BaseT (Traffic Led)

#### Safety:

- Electromechanical locking system
- Support for Kensington® security lock
- Data encryption SSL/TLS
- Password protection
- Kineclipse® process for masking the residual data left on the printing ribbon

#### User-friendly operation:

- Full front operation
- Graphical notifications from the LCD touchscreen: cleaning alerts, empty/low level ribbon alerts, etc.
- Easy to reach on/off button
- Easy to access technical parts thanks to side
- Drop-in cassette with easy handling
- Operator replaceable print head

#### Warranty:

- 2-year warranty on printer<sup>1</sup>
- 2-year warranty on original print head (unlimited passes)<sup>1</sup>
- Warranty extension program

### ENCODING OPTIONS

- Magnetic stripe encoder ISO 7811, track 1, 2 and 3 high and low coercivity, stripe down (0,76mm - cards only)
- Magnetic stripe encoder JIS Type II
- ISO 7813 smart card contact station for 3rd party external contact encoder
- Contact smart encoder - PC/SC, EMV 2011-1
- Contactless ISO 14443A, B, ISO 15693, MIFARE, DESfire, HID iCLASS
- Other specific encoders upon request
- Options can be combined
- Factory-installed or installed on-site

### SOFTWARE

Evolis Mosaic for remote supervision of the printer (embedded PC board), easy integration and secure communication

Supported Operating System (Client side):

- Windows
- Mac
- Linux
- Android
- IOS

Supported devices (Client side):

- Desktop
- Laptop
- Tablet
- Smartphone

Communication protocols:

- TCP/IP

### PRINTER RIBBON SPECIFICATIONS

The Issengo is designed to work only with Evolis

High Trust® ribbons.

To maximize the quality and durability of printed cards, the lifespan of the print head and the overall printer reliability, use Evolis High Trust® ribbons.

- Automatic ribbon identification
- Low ribbon/end of ribbon graphical notification
- Delivered in a drop-in cassette for intuitive installation and easy handling
- Ribbon saver for monochrome printing
- Recyclable supply cores and cassette
- Recycled packaging

Ribbon capacity:

- YMCKO: 300 prints/roll
- YMCKO-K: 200 prints/roll (dual-sided)
- 1/2 YMCKO: 400 prints/roll
- 1/2 YMCKO-KO: 250 prints/roll
- KO: 600 prints/roll
- Black monochrome ribbon: up to 2,000 prints/roll (ribbon saver)
- Monochrome ribbons: 1,000 prints/roll<sup>2</sup>
- SO-KO 250 prints/roll

Y=Yellow, M=Magenta, C=Cyan, K=Black Resin  
O=Overlay, S=Silver

### CARD SPECIFICATIONS

- 100-card input hopper capacity (0.76 mm - 30 mil)
  - Slot for manual insertion of exceptional designs
  - 50-card output hopper capacity (0.76 mm - 30 mil)
  - Internal reject tray/rear hopper capacity: 10 cards (0.76 mm - 30 mil)
  - Options: Reject tray/output hopper capacity at the back: 50 cards (0.76 mm - 30 mil)
  - Feeder card thickness: 0.50 to 1.25 mm (20 to 50 mil), gauge adjustment
  - Manual insertion slot card thickness: 0.50 to 0.76 mm (20 to 30 mil)
- Card types accepted:
- ISO 7810 format, Type ID 1, CR-80 size
  - 85.6 x 53.98 mm (3.370" x 2.125")
  - PVC, Composite PVC, PET cards, ABS cards<sup>2</sup>
  - special varnished cards<sup>2</sup>

### PRINTER SPECIFICATIONS

Physical dimensions (H x W x D):

- 247 x 211 x 392 mm (9.72" x 8.07" x 15.51")

Weight:

- 6.3 kg (13.23 lbs)

Electronic requirements:

- Power supply: 100-240 Volts AC, 50-60 Hz
- Printer: 24 Volts DC

### OPERATING ENVIRONMENT

- Min / Max operating temperature: 15° / 30° C (59° / 86° F)
- Humidity: 20% to 65% non-condensing
- Min / Max storage temperature: -5° / +70° C (23° / 158° F)
- Storage humidity: 20% to 70% non-condensing
- Operating ventilation: free air

### CERTIFICATIONS / COMPLIANCES

- Standby mode & reduced energy consumption
- CE, FCC, ICES, EAC
- RoHS
- Recyclable packaging

### INCLUDED WITH THE PRINTER

- Warranty booklet
- Starter cleaning kit
- Ethernet cable 3m
- Conformity certificate - paper sheet
- Power supply
- Power cord (region specific)

<sup>1</sup> Warranty subject to observance of specific conditions and use of Evolis High Trust® ribbons

<sup>2</sup> under specific conditions