



# PRIMACY 2

## Card printer specification

### STANDARD PRINTER FEATURES

#### Printer design:

- Compact printer for desktop environment
- LCD Touch Screen panel or LED control panel

#### Print technology:

- Direct-to-card
- Dye-sublimation/resin and thermal transfer
- ReWrite possibility (with rewritable cards)

#### Print capability:

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

#### Print quality:

- 16 million colors
- Integrated Color profile

#### Print resolution:

- 300x300 dpi (dots per inch) for standard color and monochrome printing
- 300x600 dpi (dots per inch) for enhanced color and monochrome printing except Kineclipse®
- 300x1200 dpi (dots per inch) for enhanced monochrome printing except Kineclipse®

#### Printing performance:

- Color YMCKO: up to 235 cards/hour<sup>1</sup>
- Color 1/2 YMCKO: up to 280 cards/hour<sup>1</sup>
- Color YMCKO-K: up to 170 cards/hour<sup>1</sup>
- Monochrome: up to 1000 cards/hour<sup>1</sup>
- RW Erasing / Printing one side: 365 cards/hour<sup>1</sup>
- RW Printing one side (w/o erasing): 560 cards/hour<sup>1</sup>

#### Printer memory:

- 32 MB (RAM)

#### Interfaces:

- USB (1.0, 1.1, 2.0, 3.0)
- Ethernet TCP-IP, 10BaseT, 100BaseT (Traffic Led)

#### Safety and security features:

- Support for Kensington® security lock
  - Print head protection element
  - Digital Erasing (deletes all sensitive information from the printer memory)
  - UV effect through driver implementation:
    - requires a lamination module for standard ribbon with a "O" panel
    - in standard with the YMCKOO ribbon (no need of a lamination module)
  - Data encryption for magnetic encoding
- #### User-friendly operation:
- Full front operation
  - Graphical notifications from the printer: cleaning alerts, empty/low level ribbon and card alerts, etc.
  - Easy to reach on/off button
  - Easy to access technical parts thanks to side opening
  - Checking of the card level at a glance
  - Drop-in cassette with easy handling
  - Operator replaceable print head

#### Warranty:

- 3-year on printer<sup>3</sup>
- 3-year on original print head (unlimited passes)<sup>3</sup>

### ENCODING OPTIONS

- Magnetic stripe encoder ISO 7811, track 1, 2 and 3 high and low coercivity, stripe down (0,76mm - 30mil cards only)
- Magnetic stripe encoder JIS Type II <sup>2</sup>
- ISO 7816 smart card contact station for 3rd party external contact encoder
- Contact smart encoder - PC/SC, EMV 2000-1
- Contactless ISO 14443A, B, ISO 15693, MIFARE, DESfire, HID iCLASS, Legic
- Other specific encoders upon request
- Internal USB or IP ports
- Options can be combined
- Factory-installed or installed on-site

### SOFTWARE

**ID-ALL Starter Edition** for designing and editing badges (Windows® and macOS):

- First steps with a card designer, basic design and printing
  - Internal database up to 50 records and 1 image type column
  - CR80 card format
  - User interfaces available in 30 languages
- OS compatibility details available on [www.cardpresso.com](http://www.cardpresso.com)

**Evolis Premium Suite 2** for complete printer management:

- Printer driver (Windows certification)
  - Printer Manager for settings, assistance and user notifications.
  - User interface available in 14 languages: English, French, Spanish, German, Italian, Portuguese (Brazil), Dutch, Simplified Chinese, Traditional Chinese, Korean, Japanese, Russian, Polish, Turkish
- Compatible for Windows® and macOS.  
Drivers for Linux.

**Evolis Print Service** (mobile app) for printing from Android and iOS mobile devices.

**Evolis SDK** (Software Development Kit) available for complete management and optimal integration of Evolis printers in IT applications and systems.

OS compatibility details available on [www.evolis.com](http://www.evolis.com)

### PRINTER RIBBON SPECIFICATIONS

The Evolis High Trust® ribbons have been exclusively designed to work with Evolis card printers. Tested and validated by our R&D and Quality departments, these consumables bring you printing quality and reliability, maximizing the lifespan of the print head.

- Automatic ribbon identification and setting
- Delivered in a drop-in cassette for intuitive installation and easy handling
- Ribbon saver for monochrome printing
- Ribbon cores, cassettes and blisters are made of recycled and recyclable material
- EASY4PRO range without cassette for high volume users wishing to reduce their plastic consumption and their waste

#### 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 (dual-sided)
  - YMCKOO: 250 prints/roll
  - KO: 600 prints/roll
  - SO-KO: 250 prints/roll (dual-sided)
  - Black monochrome ribbon: up to 2000 prints/roll<sup>1</sup>
  - BlackFLEX monochrome ribbon: up to 1000 prints/roll<sup>1</sup>
  - Blue P300C monochrome ribbon: up to 1000 prints/roll<sup>1</sup>
  - Red P186C monochrome ribbon: up to 1000 prints/roll<sup>1</sup>
  - Green P356C monochrome ribbon: up to 1000 prints/roll<sup>1</sup>
  - White monochrome ribbon: up to 1000 prints/roll<sup>1</sup>
  - Metallic silver monochrome ribbon: up to 1000 prints/roll<sup>1</sup>
  - Metallic gold monochrome ribbon: up to 1000 prints/roll<sup>1</sup>
  - Signature panel monochrome ribbon: 1000 prints/roll<sup>1</sup>
  - Scratch-off monochrome ribbon: 1000 prints/roll<sup>1</sup>
  - Hologram varnish ribbon: 400 prints/roll
- Complete ribbon offer available on [www.evolis.com](http://www.evolis.com)

### 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

### OPTIONAL PRINTER FEATURES

- Dual-sided printing activation by a RFID key
- Dual-sided Card Lamination Module (CLM)
- 200 cards additional input hopper
- LCD Color touch-screen display
- Mechanical lock - lock access to consumables (ribbon and cards), blank cards and reject cards (Factory only)
- Kineclipse® (mask information left on the black ribbon)
- Wireless range: wireless connection 802.11 b/g (Factory only panel) (Factory only)
- 64 MB (RAM)<sup>2</sup> (Factory only)
- Internal scanner (Factory only)
  - Basic scan operation included in Evolis Premium Suite
  - Custom scan operation possible through Evolis SDK
- Warranty extension program

### CARD SPECIFICATIONS

- 100-card input hopper capacity (0,76mm - 30mil)
  - 100-card output hopper capacity (0,76mm - 30mil)
  - 50-card reject tray / output hopper capacity (0,76mm - 30mil)
  - Card thickness: 0.25 to 1.25mm (10 to 50mil)
    - Manual gauge adjustment
    - 0.25mm (10mil) only for monochrome printing
  - Input hopper low card level and empty hopper detection
- 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 cards, PET (monochrome BLACK only) paper cards (monochrome BLACKFLEX only, rewritable cards)

### PRINTER SPECIFICATIONS

Physical dimensions (H x W x D):

- 247 x 205 x 382 mm (9.72" x 8.07" x 14.99")

Physical dimensions with reject tray / output hopper:

- 247 x 205 x 487 mm (9.72" x 8.07" x 19.17")

Weight:

- 4.11 kg (9.06 lbs)
- With reject tray / output hopper: 4.2 kg (9.26 lbs)

Electronic requirements:

- Power supply: 100-240 Volts AC, 50-60 Hz, 1.5 A
- Printer: 24 Volts DC, 2.5 A

### SOUND

Sound pressure (According to ISO 7779 standard)

- When operating: 48 dB (A)
- In sleep mode: background noise level

### CERTIFICATIONS / COMPLIANCES

- Standby, sleep modes & reduced energy consumption
- Recyclable enclosure plastics
- CE, FCC, ICES, VCCI, KC, BIS, EAC, UKCA
- RoHS
- Recyclable packaging

### INCLUDED WITH THE PRINTER

- ID-ALL Starter Edition, card designer software
- Quick Start Guide with URL links for documentations and easy installation
- Starter cleaning kit
- USB cable (1.80m)
- Reject tray / Output hopper for 50 cards (30 mil)
- Power supply
- Power cord (region specific)

<sup>1</sup> Under specific conditions / <sup>2</sup> Project mode only / <sup>3</sup> Warranty subject to observance of specific conditions and use of Evolis High Trust® ribbons