



# CARD PRINTER SPECIFICATIONS

## STANDARD PRINTER FEATURES

### Printer design:

- Compact printer
- Metal housing for smooth integration into kiosk terminal
- LED control panel

### 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)  
*For standard monochrome and color printing*
- Extended mode: 300x600 dpi (dots per inch)  
*For enhanced monochrome and color printing*
- Extended mode: 300x1200 dpi (dots per inch)  
*For enhanced monochrome printing*

### Printing performance<sup>1</sup>:

- Color YMCKO: 20.5 s per card
- Color YMCKO-K: 28 s per card
- Monochrome: 7 s per card

### Printer memory:

- 32 MB (RAM) standard

### Interfaces:

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

### Safety:

- Data encryption for magnetic encoding

### Warranty:

- 2-years warranty on printer<sup>4</sup>
- 2-years warranty on original print head (unlimited passes)<sup>4</sup>

## OPTIONAL PRINTER FEATURES

- USB encoding over IP through additional USB Net Server module, upon request
- Warranty extension program

## 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
- ISO 7813 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
- (standard compliance: EPC C1 Gen2 / ISO18000-6C ETSI EN 302 208 or FCC part 15.247)
- Other specific encoders upon request
- Internal USB or IP ports
- Options can be combined
- Factory-installed or installed on-site

## SOFTWARE

Delivered with Evolis Premium Suite® for Windows®:

- Printer driver (Windows certification)
- Evolis Print Center for administration and settings
- Evolis Printer Manager for graphical notifications<sup>3</sup>
- User interface languages available: English, French, Spanish, German, Italian, Portuguese (Brazil), Dutch, Simplified Chinese, Traditional Chinese, Japanese, Korean, Russian, Polish, Turkish, Arabic, Farsi
- Compatible with Windows® 10, 8, 7 (32/64-bit), Windows Server 2008 R2 (64 bits only), Windows Server 2012 R2, Windows Server 2016, Windows Server 2019 (32/64-bit).

Delivered with a driver for Mac OS (from 10.11 onwards and later versions)

Linux upon request (RPM installation packages & DEB installation packages)

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

Evolis SDK for remote supervision of the printer, while facilitating and speeding up integration into IT systems

## PRINTER RIBBON SPECIFICATIONS

KC Prime 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 and setting
- Delivered in a drop-in cassette for easy handling

- Ribbon saver for monochrome printing

### Ribbon capacity:

- YMCKO: 300 prints/roll
- YMCKO-K: 200 prints/roll (dual-sided)
- 1/2 YMCKO: 400 prints/roll
- KO: 600 prints/roll
- Black monochrome ribbon: 2000 prints/roll
- Other monochrome ribbons: 1000 prints/roll

Full list of ribbons available on [evolis.com](http://evolis.com)

Y=Yellow, M=Magenta, C=Cyan, K=Black Resin

O=Overlay, S=Silver

## CARD SPECIFICATIONS

- 200-card input hopper capacity (0.76mm - 30mil)
- 100-card input hopper capacity (0.76mm - 30mil) without the cassette
- Manual insertion and card exit with optional LED flashing bezel (rear)
- Optional anti-insertion system in option with bezel
- Flat card sensor (rear/front) for optional integration of third party bezel
- Card exit in the kiosk terminal output tray
- Ability to retract unretrieved cards
- Reject slots for defective cards
- Card thickness: 20 to 50 mil
- Input hopper low card level and empty 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, PET
- ABS<sup>1</sup>

## PRINTER SPECIFICATIONS

Size (H x W x D):

307 x 196 x 378 mm (12.09" x 7.72" x 14.88")  
with feet: H: 322 mm (12.68")

### Weight:

- without bezel: 5.3 kg (11.68 lbs)

### Electronic requirements:

- Power supply: 100-240 Volts AC, 50-60 Hz, 1.7 A
- Printer: 24 Volts DC, 2.71 A

## OPERATING ENVIRONMENT

- Standard operating temperature and humidity rate:  
15° / 30° C (59° / 86° F)  
20% to 65% non-condensing
- Min / Max operating temperature and humidity rate<sup>2</sup>:  
0° / 40° C (32° / 104° F)  
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, sleep modes & reduced energy consumption
- CE, FCC, ICES, EAC, (pending : CCC, VCCI, BIS, KCC)
- RoHS
- Recyclable packaging

## INCLUDED WITH THE PRINTER

- CD with drivers and warranty booklet
- Quick Start Guide
- Starter cleaning kit
- USB cable (1.80m)
- Power supply
- Power cord (region specific)
- Dust cover
- Feet kit

<sup>1</sup> Under specific conditions / <sup>2</sup> Under specific conditions and project qualifications / <sup>3</sup> Requires the.net 4.0 client profile version

<sup>4</sup> Warranty subject to observance of specific conditions and use of Evolis High Trust® ribbons