



# CARD PRINTER SPECIFICATIONS

## STANDARD PRINTER FEATURES

- Printer design:**
- Metal housing for smooth integration into kiosk terminal
  - LED control panel on top of the printer
- 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*
- 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-year warranty on printer<sup>4</sup>
  - 2-year warranty on original print head (unlimited passes)<sup>4</sup>
  - Warranty extension program

## CARD SPECIFICATIONS

- 4 x 100-card input hopper capacity (0.76mm - 30mil)
  - Optional Evolis LED flashing bezel: manual insertion and return of the cards
  - Anti-insertion system in option on the Evolis bezel
  - Possible integration of third-party bezel thanks to the flat sensor at the rear
  - Lock reject box with 2 keys
  - Ability to retract unretrieved cards
  - Reject slots for defective cards
  - Card thickness: 0.76 mm (30 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

## 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 10.12 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

The KC Max 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

## ENCODING OPTIONS

- Magnetic stripe encoder ISO 7811, track 1, 2 and 3 high and low coercivity, stripe down
- 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
- Other specific encoders upon request
- Internal USB or IP ports
- Options can be combined
- Factory-installed or installed on-site

## PRINTER SPECIFICATIONS

Size (H x W x D):

- 314 x 417 x 540.5 mm (12.36" x 16.42" x 21.26")  
with feet: H: 332 mm (13.07")

**Weight:**

- 21 kg (46.30 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

- Reduced energy consumption
- CE, FCC, ICES, pending (CCC, VCCI, BIS, KCC, EAC)
- RoHS

## INCLUDED WITH THE PRINTER

- CD with drivers and documentation
- Starter cleaning kit
- USB cable (1.80m)
- Power supply
- Power cord (region specific)

<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