



## CARD PRINTER SPECIFICATIONS

### STANDARD PRINTER FEATURES

#### Printer design:

- 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)

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

- Color YMCKO: 30 s per card
- Color YMCKO-K: 38.5 s per card
- Monochrome: 9 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)
- Serial port upon request

#### Encoders:

- Magnetic stripe encoder ISO 7811, track 1, 2 and 3 high and low coercivity, stripe down (0,76mm - 30mil cards only)
- ISO 7813 smart card contact station for 3rd party external contact encoder

#### 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>

### OPTIONAL PRINTER FEATURES

- Warranty extension program

### ADDITIONAL ENCODING OPTIONS

- Magnetic stripe encoder JIS Type II
- Contact smart encoder - PC/SC, EMV 2000-1
- Contactless ISO 14443A, B, ISO 15693, MIFARE, DESfire, HID iCLASS
- Other specific encoders upon request
- Internal USB or IP ports
- Options can be combined
- Factory-installed

### SOFTWARE

Delivered with Evolis Premium Suite® for Windows®:

- Printer driver
- Evolis Print Center for administration and settings
- Evolis Printer Manager for graphical notifications<sup>3</sup>
- 24/7 online support
- Compatible with Windows®(32/64 bits) XP SP3, Vista, W7, W8, W10
- User interface languages available: English, French, Spanish, German, Italian, Portuguese (Brazil), Dutch Simplified Chinese, Traditional Chinese, Japanese Korean, Russian, Polish, Turkish, Arabic, Farsi

Delivered with a driver for Mac OS X (from 10.6 onwards) Linux OS, upon request

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

### PRINTER RIBBON SPECIFICATIONS

The KM500B-KM2000B are 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

- Ribbon saver for monochrome printing
- Recycled packaging

#### Ribbon capacity:

- YMCKO: 500 prints/roll
- YMCKO-K: 500 prints/roll (dual-sided)
- 1/2 YMCKO: 400 prints/roll
- KO: 500 prints/roll
- Black monochrome ribbon: 3000 prints/roll
- BlackFLEXmonochrome ribbon: 1000 prints/roll
- Blue P300C monochrome ribbon: 1000 prints/roll
- Red P186C monochrome ribbon: 1000 prints/roll
- Green P356C monochrome ribbon: 1000 prints/roll
- White monochrome ribbon: 1000 prints/roll
- Metallic silver monochrome ribbon: 1000 prints/roll
- Metallic gold monochrome ribbon: 1000 prints/roll
- Signature panel monochrome ribbon: 1000 prints/roll
- Scratch-off monochrome ribbon: 1000 prints/roll
- Hologram varnish ribbon: 350 prints/roll

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

### CARD SPECIFICATIONS

#### KM500B:

- Single feeder unit: 500 cards (0,76mm - 30mil)

#### KM2000B:

- 4 x 500-card feeder (0,76mm - 30mil)

#### Card management:

- Manual insertion and return with bezel
- Ability to retract unretrieved cards
- Reject slots for defective cards
- Input hopper low card level and empty detection

#### Card types accepted:

- Card thickness: 0.76 mm (30 mil)
- 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>, special varnished cards<sup>1</sup>

### PRINTER SPECIFICATIONS

#### Size (H x W x D):

- KM500B: 492 x 250 x 529 mm (19.37" x 9.84" x 20.83") with feet: H: 500 (19.68")
- KM2000B: 571 x 300 x 710 mm (22.48" x 11.81" x 27.95") with feet: H: 579 mm (22.79")

#### Weight:

- KM500B: 11.5 kg (24.25 lbs)
- KM2000B: 26.5 kg (57.32 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>5</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, VCCI, CCC<sup>6</sup>
- RoHS
- Recyclable packaging

### INCLUDED WITH THE PRINTER

- CD with drivers
- Quick Start Guide
- Warranty booklet
- Starter cleaning kit
- USB cable (1.80m)
- Power supply
- Power cord (region specific)

<sup>1</sup> Under specific conditions / <sup>2</sup> Depends on the Windows® version / <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

<sup>5</sup> Under specific conditions and project qualifications <sup>6</sup> Available Q3 2016