



KM500B - KM2000B Card printer specification

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 performance¹:

- 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 printer⁴
- 2-year warranty on original print head (unlimited passes)⁴

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, LEGIC encoder
- 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 (Windows certification)
- Evolis Print Center for administration and settings
- Evolis Printer Manager for graphical notifications³
- 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, 8.1, 7 (32/64-bit), Windows Server 2019, Windows Server 2016, Windows Server 2012 R2 (32/64-bit).

Delivered with a driver for Mac OS (from 10.14 onwards and later versions)

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

Detailed OS driver compatibility available on www.evolis.com

Evolis SDK available 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
- ABS¹, special varnished cards¹

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 rate⁵: 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, CCC, VCCI, FCC, ICES, BIS, EAC
- 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)

¹ Under specific conditions / ² Depends on the Windows® version / ³ Requires the.net 4.0 client profile version

⁴ Warranty subject to observance of specific conditions and use of Evolis High Trust® ribbons

⁵ Under specific conditions and project qualifications