



## ZENIUS 2

### Card printer specification

#### STANDARD PRINTER FEATURES

##### Printer design:

- Compact printer for desktop environment
- LED control panel

##### Print technology:

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

##### Print capability:

- Single-sided printing, edge-to-edge

##### Print quality:

- 16 million colors
- Integrated Color profile

##### Print resolution:

- 300 x 300 dpi (dots per inch)
- 300 x 600 dpi for enhanced color and monochrome printing
- 300 x 1200 dpi for enhanced monochrome printing

##### Printing performance

- Color (YMCKO): up to 180 cards/hour<sup>1</sup>
- Monochrome: up to 700 cards/hour<sup>1</sup>
- RW Erasing / Printing one side: 340 cards/hour<sup>1</sup>
- RW Printing one side (w/o erasing): 600 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)<sup>3</sup>

##### Safety:

- Support for Kensington® security lock
- Print head protection element
- Digital Erasing (deletes all sensitive information from the printer memory)

##### User-friendly operation:

- Full front operation
- Graphical notifications from the printer, cleaning alerts, empty/low, level ribbon and card alerts, etc.
- Manual or automatic card feeding
- Card level checking at a glance
- Drop-in cassette with easy handling
- Easy to reach on/off button
- Easy to access technical parts thanks to side opening
- Operator replaceable print head

##### Warranty:

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

#### OPTIONAL PRINTER FEATURES

- Ethernet TCP-IP, 10BaseT, 100BaseT (Traffic Led)<sup>3</sup>

#### ENCODING OPTIONS<sup>3</sup>

- Magnetic stripe encoder ISO 7811, track 1, 2 and 3 high and low coercivity, stripe down (0,76mm - 30mil cards only)
- 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 port
- Options can be combined
- Factory-installed or installed on-site

#### SOFTWARE

##### ID-ALL Starter Edition for designing and editing badges

- (Windows® and Mac OS):
- First steps with a card designer, basic design and printing
- Internal database up to 50 records and 1 image type column
- CR80 card format
- Code 39 and 128 barcodes
- User interface available in 30 languages: English, French, Spanish, German, Italian, Portuguese (Brazil), Dutch, Simplified Chinese, Traditional Chinese, Korean, Japanese, Russian, Polish, Turkish, Arabic, Persian, Burmese, Czech, Danish, Finnish, Hebrew, Hungarian, Indonesian, Nepali, Norwegian, Slovak, Swedish, Thai, Ukrainian, Vietnamese.

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

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

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

##### Evolis SDK (Software Development Kit) 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: 200 prints/roll
  - 1/2 YMCKO: 400 prints/roll
  - YMCKOO: 250 prints/roll<sup>3</sup>
  - KO: 600 prints/roll
  - Black monochrome ribbon: up to 2000 prints/roll<sup>1</sup>
  - BlackFLEX monochrome ribbon: up to 1000 prints/roll<sup>1</sup>
  - White 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>
  - 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>
  - Hologram varnish ribbon: 400 prints/roll
- Y=Yellow, M=Magenta, C=Cyan, K=Black Resin, O=Overlay
- Complete ribbon offer available on [www.evolis.com](http://www.evolis.com)

#### CARD SPECIFICATIONS

- Automatic or manual feeding
  - 50-card input hopper capacity (0.76mm - 30mil)
  - 50-card back output hopper capacity or 25-card front output hopper capacity (0.76mm - 30mil)
  - Card thickness: 0.25 to 0.76mm (10 to 30mil)
  - Manual gauge adjustment
  - 0.25mm (10mil) only for monochrome printing
- ##### Card types accepted:
- ISO 7810 format, Type ID 1, CR-80 size
  - 85.6 mm x 53.98 mm (3.370" x 2.125")
  - PVC cards, Composite PVC cards, PET cards (monochrome BLACK only), paper cards (monochrome BLACKFLEX only), rewritable cards

#### PRINTER SPECIFICATIONS

##### Physical dimensions (H x W x D):

- 196 x 205 x 310 mm (7.68" x 8.07" x 12.2")

##### Weight:

- 3.3 kg (7.3 lbs)

##### Electronic requirements:

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

#### 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

#### SOUND

- Sound pressure in assistant positions LpAm (color mode YMCKO):
- When operating: 47 dB (A)
  - In sleep mode: background noise level

#### CERTIFICATIONS / COMPLIANCES

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

#### INCLUDED WITH THE PRINTER

- 1 license for ID-ALL Starter edition
- Quick Start Guide
- Starter cleaning kit
- USB cable (1.80m)
- Power supply
- Power cord (region specific)
- Back output hopper for 50 cards

<sup>1</sup> Under specific conditions / <sup>2</sup> Warranty subject to observance of specific conditions and use of Evolis High Trust® ribbons / <sup>3</sup> Supported on Zenius 2 Expert version only