



## ZENIUS

### Card printer specification

#### STANDARD PRINTER FEATURES

##### Printer design:

- Compact printer for desktop environment
- Available in fire red or grey brown
- LED control panel

##### Print technology:

- Direct-to-card
- Dye-sublimation/resin thermal transfer

##### Print capability:

- Single-sided printing, edge-to-edge

##### Print resolution:

- 16 million colors
- 300x300 dpi (dots per inch)

##### Printing performance:

- Color YMCKO: up to 150 cards/hour<sup>1</sup>
- Monochrome: up to 500 cards/hour

##### Printer memory:

- Zenius Classic: 16 MB (RAM)
- Zenius Expert: 32 MB (RAM)

##### Interfaces:

- USB (1.0, 1.1, 2.0, 3.0)

##### Safety:

- Support for Kensington® security lock
- Data encryption for magnetic encoding

##### User-friendly operation:

- Full front operation
- Graphical notifications from the printer<sup>2</sup>: cleaning alerts, empty/low level ribbon and card alerts, etc.
- Manual or automatic card feeding
- Easy to reach on/off button
- Easy to access technical parts thanks to side
- Checking of the card level at a glance
- Drop-in cassette with easy handling
- Operator replaceable print head

##### Warranty:

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

#### OPTIONAL PRINTER FEATURES

- Ethernet TCP-IP, 10BaseT, 100BaseT (Traffic Led) on the Expert version

#### ENCODING OPTIONS

- Magnetic stripe encoder ISO 7811, track 1, 2 and 3 high and low coercivity, stripe down (0,76mm - 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, UHF encoder: ETSI (EN 302208) or FCC (part 15.247) standard compliance:
- EPC C1 Gen2 / ISO18000-6C
- Other specific encoders upon request
- Internal USB or IP ports
- Options can be combined
- Factory-installed or installed on-site

#### SOFTWARE

Delivered with cardPresso XXS Lite for designing and editing badges:

- Internal database up to 50 records
- Signature acquisition (compatible with Evolis Sig100 Sig200 and SigActiv signature pads)
- User interfaces available in 28 languages
- Compatible with Windows® 10, 8, 7, Vista (32/64-bit), Windows Server 2008, Windows Server 2012, Windows Server 2016, Windows Server 2019 and Mac OS (64-bit Processor only) from 10.7 onwards.

Delivered with Evolis Premium Suite® for Windows®:

- Printer driver (Windows certification)
- Evolis Print Center for administration and settings
- Evolis Printer Manager for graphical notification<sup>3</sup>
- User interface languages available: English, French, Spanish, German, Italian, Portuguese (Brazil), Dutch, Simplified Chinese, Traditional Chinese, Japanese, Korean, Russian, Polish, Turkish, 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) Linux upon request (RPM installation packages & DEB installation packages)

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

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

#### PRINTER RIBBON SPECIFICATIONS

The Zenius 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 intuitive installation and easy handling
- Ribbon saver for monochrome printing
- Recyclable supply cores and cassette
- Recycled packaging

##### Ribbon capacity:

- YMCKO: 200 prints/roll
- 1/2 YMCKO: 400 prints/roll
- KO: 600 prints/roll
- Black monochrome ribbon: 2000 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
- Scratch-off monochrome ribbon: 1000 prints/roll
- Hologram varnish ribbon: 400 prints/roll

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

#### CARD SPECIFICATIONS

- 50-card input hopper capacity (0,76mm - 30mil)
- 20-card output hopper capacity (0,76mm - 30mil)
- Card thickness: 0,25 to 0,76mm (10 to 30mil)

##### Gauge adjustment:

- 0,25mm (10mil) only for monochrome printing

##### 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>, special varnished cards<sup>1</sup>

#### PRINTER SPECIFICATIONS

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

- 195 x 205 x 315 mm (7.68" x 8.07" x 12.4")

##### Weight:

- 3,3 kg (7.3 lbs)

##### Electronic requirements:

- Power supply: 100-240 Volts AC, 50-60 Hz, 1.7 A
- Printer: 24 Volts DC, 2.71 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 (evaluated according to the ISO

Sound pressure in assistant positions LpAm (color mode YMCKO):

- When operating: 46 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, EAC
- RoHS
- Recyclable packaging

#### INCLUDED WITH THE PRINTER

- CD with drivers and user's manuals
- DVD with cardPresso XXS Lite card designer software
- 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