

# Avansia

**Avansia** is a Retransfer technology card printer for very high quality card delivery.

Designed for rigorous use, Avansia is extremely robust and provides high security card issuance.

Capable of issuing more than 140 single-sided color cards per hour, it is ideal for card issuance in medium and large quantities.



## THE PREMIUM RETRANSFER PRINTER FOR HIGH DEFINITION CARDS

Avansia is ideal for delivering:

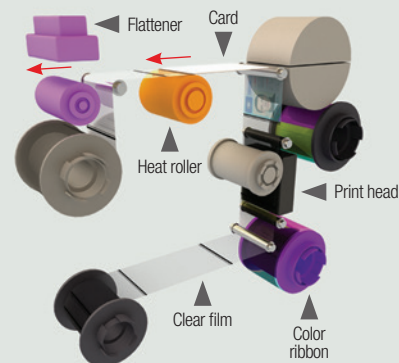
- Corporate ID cards
- Secure access badges
- Student cards
- Payment cards
- Loyalty cards / gift cards
- National ID cards
- Driver's licenses

### HOW DOES RETRANSFER TECHNOLOGY WORK?

The card is printed in two phases:

- 1 The card design is printed by dye sublimation on a transparent film.
- 2 The printed film is then fused to the card using a thermal bonding process for flawless results.

The built-in flattener applies pressure on the card, thus ensuring a perfectly flat surface.



### FLAWLESS PRINTING

Retransfer technology (Reverse Transfer) maximizes print quality:

- **High resolution 600 dpi:** images and text are rendered perfectly and micro-text and watermarks are printed in high definition.
- **Over the edge printing:** this printer will guarantee that your edges print perfectly since the film fully covers the card.
- **Evolis High Trust® consumables:** their use provides flawless results.

### MEDIA COMPATIBILITY

The Avansia Retransfer technology can print on **all types of cards** (PVC, PET, polycarbonate, ABS), including uneven card surfaces, such as smart contact and contactless cards.

**The standard built-in card flattener** delivers perfect results.

### MULTIPLE ENCODING OPTIONS

To meet your specific needs, Avansia can be configured for **all types of data encoding options:** magnetic stripe, contact and contactless smart cards. These factory-configured encoding options **can be combined.**

### INCREASED PRODUCTIVITY

Avansia is **exceptionally fast** with an output of more than **140 single-sided color cards per hour.**

Thanks to the high capacity feed tray and output tray (250 cards each) - and high capacity consumables (500 prints per roll), you can print your card runs with **no interruptions.**

### MAXIMUM ENDURANCE

Designed to issue cards intensively, Avansia is **robust and reliable.** Its **3-year standard warranty** and **life time warranty** on the print head guarantee your long-term investment.

Avansia can operate in **critical environments** (dust, heat...) thanks to its airtight structure.

### ENHANCED SECURITY

Avansia can be easily locked by removing the RFID electronic key. This quite simply **prevents any attempt** to use the printer.

A **mechanical key lock**, available as an option, prevents access to consumables.

Moreover, Avansia comes with a **security slot** (Kensington® type).

# Avansia

- Flip-over module for dual-sided card personalization
- All encoders can be combined

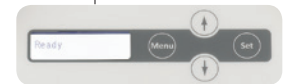
- Electronic key to secure the use of the printer



- Personalized card storage in a removable output hopper with a capacity of 250 cards



- Blank card storage in a removable card case with a capacity of 250 cards



- Front control panel with 4 keys, a 2-line LCD display and a status indicator

## GENERAL FEATURES

- Dual-sided printing (standard)
- Reverse transfer printing
- Over the edge printing
- Color dye sublimation and resin monochrome retransfer
- 600 dpi print head (23.6 dots/mm)
- Bitmap: 24 bits, R/G/B 256 level
- Printout: Y/M/C 256 level
- 64 MB of memory (RAM)

## PRINTING PERFORMANCES<sup>1</sup>

- Full card:
  - Single side (YMCK): 25 s/card - 144 cards/hour
  - Dual side (YMCKK): 37.5 s/card - 96 cards/hour

## ADDITIONAL ENCODING MODULES

- Available modules:
  - Magnetic stripe encoder ISO 7811
  - Dual contact and contactless encoder
- Encoder connectivity: internal USB hub, 1 port available
- Encoding options can be combined
- Factory ordered

## INTERFACES

- USB 2.0
- Ethernet TCP-IP 10BaseT, 100BaseT (Traffic Led)

## SAFETY

- RFID locking key
- Support for security lock (Kensington® type)
- Centralized locking system to secure access to blank cards, ribbon and film (optional)\*

<sup>1</sup> Time measured from the card's insertion detected by the sensor until the flip engine stops during ejection / <sup>2</sup> Option subject to approval from Evolis  
<sup>3</sup> Delivered with any printer including encoding option(s) / <sup>4</sup> Warranty subject to observance of specific conditions and use of Evolis High Trust® ribbons

## CARD MANAGEMENT AND SPECIFICATIONS

- Card feeder: 250 cards (0.76 mm – 30 mil)
- Card output hopper: 250 cards (0.76 mm – 30 mil)
- Reject tray capacity: 30 cards (0.76 mm – 30 mil)\*
- Card thickness: 0.76 mm (30 mil), manual adjustment
- Card types:
  - PVC cards
  - Composite PVC cards
  - PET-F cards
  - PET-G cards
  - Polycarbonate cards
- ABS cards
- Card format: ISO CR80 - ISO 7810 (53.98 x 85.60 mm – 3.370" x 2.125")

## 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 capacity:
  - Clear transfer film: 500 prints/roll
  - Holographic transfer film: 400 prints/roll
  - YMCK ribbon: 500 prints/roll
  - YMCKK ribbon: 400 prints/roll
  - YMCKI ribbon (for smart cards and magnetic stripes): 400 prints/roll
  - YMCKH ribbon (for polycarbonate cards): 400 prints/roll
  - YMCFK ribbon (F = UV ink): 400 prints/roll

## SOFTWARE

- Compatible with Windows® XP SP2 32, Vista 32, W7 32/64 and W8 32/64

## DISPLAY

- Two-line LCD display and LED status indicator
- Printer graphical notifications: empty input hopper, empty/low level ribbon alert...

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## CERTIFICATIONS AND STATEMENT OF COMPLIANCE

- RoHS
- CE, FCC, UL, IEC

## POWER SUPPLY

- AC90-125V, 220-240V, 50/60Hz

## OPERATING ENVIRONMENT

- Min/max operating temperature: 10° / 30° C (50° / 86° F)
- Humidity: 20% to 80% non-condensing
- Min/max storage temperature: -20° / 60° C (-4° / 140° F)
- Storage humidity: 20% to 90% non-condensing
- Operating ventilation: open air

## SOUND (EVALUATED ACCORDING TO THE ISO 7779 STANDARD)

- Sound pressure in assistant positions LpAm (color mode YMCK)
- When operating: 53 dB (A)
- While waiting: 45 dB (A)

## PACKAGING CONTENT

- Printer
- CD-ROM with printer drivers, user manuals and Quick Start
- Cleaning materials
- USB cable
- Output hopper
- Reject tray\*
- Power cord

## SIZE AND WEIGHT

- Dimensions (H x W x D): 436 x 340 x 297 mm (17.16" x 13.38" x 11.69")
- Weight: 20 kg (44.09 lbs)

## WARRANTY\*

- 3 years for printer, lifetime warranty on print head

**evolis**  
card printers