

QUANTUM

The industrial card printer
for high-volume badge
personalization



Color & Monochrome
Thermal Transfer



300 dpi



Dual-Sided



32 s/card
(YMCKO/K)



1000 cards



0.76 mm (30 mil)



Print mode

- Color dye sublimation and monochrome thermal transfer
- Edge-to-edge printing standard

Printer specifications

- Module for dual-sided printing
- Card reject boxes
- Integrated ribbon saver for monochrome printing

Print speed

- 140 cards/hour in full color (YMCKO), 1 side
- 110 cards/hour in full color (YMCKO/K), 2 sides
- Up to 1000 cards/hour¹ in monochrome, 1 side
- Up to 350 cards/hour in monochrome, 2 sides

Resolution

- 300 dpi (11.8 dots/mm)

Windows™ drivers

- For Windows™ NT 4.0, 2000 and Xp

Warranty

- Printer: 1 year
- Print head: 1 year or 500 000 passes²

Ribbon types

- Monochrome black ribbon: 5000 cards/roll
- Other monochrome ribbons available: 1000 cards/roll (available in black, blue, red, green, white, gold, silver and scratch off)
- BlackWAX monochrome ribbon (for ABS and special varnished plastic cards): 5000 cards/roll
- 2 panel monochrome ribbon (KO): 500 cards/roll
- 5 panel color ribbon (YMCKO): 1000 cards/roll
- 6 panel color ribbon (YMCKO/K): 800 cards/roll
- Half-panel color ribbon (YMCKO): 400 cards/roll
- Hologram ribbon: 350 cards/roll

Other printer models

- **Quantum Mag**
Printer with HICO / LOCO magnetic stripe encoder - ISO 7811
- **Quantum Smart**
Printer with smart card contact station - ISO 7816-2
- **Quantum Contactless**
Printer with contactless smart card coupler - ISO 14443 - ISO 15693 (other standards upon request)

1- Under specific conditions
2- Clause governing the use of Evolis ribbons



Card types	PVC, Composite PVC, PET, ABS and special varnished plastic cards
Card format	ISO CR-80 (53.98 mm x 85.60 mm - 3.375" x 2.125")
Card thickness	0.76 mm (30 mil)
Card feeder capacity	2 x 500 cards (0.76 mm - 30 mil)
Card output hopper capacity	2 x 500 cards (0.76 mm - 30 mil)
Card reject box capacity	2 x 25 cards (0.76 mm - 30 mil)
Resident barcodes	Code 39, Code 2/5 interleaved
Resident fonts	Arial normal 100, Arial bold 100
Printer size	Height: 510 mm (20.07") - Width: 700 mm (27.55") - Depth: 300 mm (11.81")
Printer weight	25 Kg (55 lbs)
Connections	USB and Centronics parallel ports (cables supplied)
Electrical	110-230 Volts CA, 60-50 Hertz
Environmental	<ul style="list-style-type: none"> ■ Min / max operating temperatures: 15° / 30° C (59° / 86° F) ■ Humidity: 20% to 65% non-condensing ■ Min / max storage temperatures: -5° / +70° C (23° / 158° F) ■ Storage humidity: 20% to 70% non-condensing ■ Operating ventilation: free air