

Evolis Quantum – Specification Details

General Printer Specifications:

- Dual-sided color printing module.
- 300 dpi print head (11.8 dots/mm).
- USB & Ethernet ports.
- 16 MB RAM allowing two card storages (front & back).
- Detachable & interchangeable input & output hoppers with a capacity of 500 cards (0.76 mm or 30 mil).
- Flip-over station for dual-sided printing.
- Detachable encoding module.
- 2-line LCD display and status LED for printer and encoding unit monitoring.
- Locking system to secure access to blank cards, ribbons, films and rejected cards.
- Reject tray for 20 cards (0.76 mm or 30 mil).
- Printer color: Aluminium body & Black plastic covers.
- ROHS compliant.

Print Modes:

- Color dye sublimation and monochrome thermal transfer.
- Enhanced color management system for top quality pictures.
- Edge-to-edge printing.
- Dual-sided printing.
- Integrated ribbon saver for monochrome printing.
- Integrated ½ Panel YMCKO picture management.

Encoding Module:

- Reversible unit for top & bottom magnetic & smart encoding.
- HiCo/LoCo Magnetic stripe encoder ISO 7811 or JIS2.
- Smart contact station – ISO 7816-2.
- Connecting panel & mounting area for users own integration of encoding units.
- Encoding options:
 - Smart encoding unit – PC/SC, EMV 2000-1.
 - Contactless encoding unit - ISO14443A & B, Mifare, DesFire.
 - Other types upon request.

Options & Accessories:

- Quantum Production Pack: 1 detachable card hopper, 2 cleaning rollers, 3 boxes of cleaning material.

- Quantum Backup Pack: 1 printing head kit, 1 Up/Down encoding module, 1 detachable card hopper.
- Detachable hopper with a capacity of 500 cards (0.76 mm - 30 mil)

Ribbons:

- 2-panel KO black monochrome ribbon - 500 cards/roll.
- 5-panel YMCKO color ribbon - 500 cards/roll.
- 6-panel YMCKO-K color ribbon - 500 cards/roll.
- Half-panel YMCKO color ribbon - 400 cards/roll.
- Black monochrome ribbon – up to 3000 cards/roll.
- Other ribbons - up to 1000 cards/roll (red, green, blue, white, gold and silver).
- Varnish hologram - 350 cards/roll.
- Scratch-Off - up to 1000 cards/roll.
- BlackWAX monochrome ribbon (for ABS & special varnished plastic cards) - up to 1000 cards/roll.
- Signature panel ribbon – up to 1000 cards/roll.

Printing Speed:

- Color 1 side (YMCKO): more than 150 cards/hour.
- Color 2 sides (YMCKO-K): 115 cards/hour.
- Monochrome 1 side full card: more than 1000 cards/hour.

Supported Platforms:

- Windows 7 (32 & 64 bits), XP and Vista (32 & 64 bits).
- Mac OS X v10.4 and higher (upon request).
- Linux (upon request).

Software Supplied:

- eMedia Card Designer Software for designing and editing badges.
- Compatible with Windows™ 7, XP and Vista 32 & 64 bits.
- Connection to Microsoft™ Excel databases.

Warranty:

- Printer, print head: 1-year warranty, limited to 500 000 passes, subject to observance of specific conditions and use of Evolis genuine consumables.

Card Types:

- All PVC, Composite PVC cards, PET, ABS1 and special varnished cards.

Card Format :

- ISO CR-80 - ISO 7810 (53.98 mm x 85.60 mm - 3.375" x 2.125").

Card Thickness :

- From 0.76 mm (30 mil) to 1 mm (40 mil).

Resident Fonts:

- Arial 100, Arial bold 100.
- Barcode - Code 39, 2/5 interleaved, Code 128, EAN13.

Output Hopper Capacity:

- 500 cards (0.76 mm - 30 mil).

Card Feeder Capacity:

- 500 cards (0.76 mm - 30 mil).

Printer Size:

- Without hoppers : 215 mm (H) x 850 mm (L) x 300 mm (W);
With hoppers : 567 mm (H) x 850 mm (L) x 300 mm (W).

Printer Weight:

- 21,7 kg / 47,8 lbs (18,3 kg / 40,3 lbs without hoppers).

Connections:

- USB (cable supplied) - Ethernet TCP-IP.

Electrical:

- Power supply: 100-240 V AC, 50-60 Hz, 2 A,
Printer: 24 V DC, 6.25 A.

Environmental:

- 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.