

QUANTUM

REVERSIBLE ENCODING UNIT (PATENTED)

- Reversible upper and lower encoding unit for magnetic stripes and contact smart cards
- Connecting panel & mounting area for users own integration of encoding units



EASY TO USE

- Load or withdraw cards without detaching the feeders from the printer*
- Easy handling of the feeders thanks to an unlock actuator (made of metal)
- Interchangeable input & output hoppers

(*for non-lockable version)



QUALITY DESIGN

- A metal structure to ensure reliability over time
- Different printing and encoding units for a greater productivity
- Centralized locking system in option

GENERAL FEATURES

- Two configurations of Quantum: standard without locking mechanism and one with centralized locking system
- Dual-sided color printing module, 300 dpi print head (11.8 dots/mm)
- USB & Ethernet TCP-IP (USB Cable supplied)
- 16 MB RAM allowing two card storages (front & back)
- Interchangeable input & output hoppers, capacity of 500 cards (0.76 mm - 30 mil)
- 2-line LCD display and status LED for printer and encoding unit monitoring
- Locking system in option to secure access to the whole system (incl. cards & ribbons)
- RoHS compliant
- Aluminum body, black plastic covers

PRINT MODE

- Color dye sublimation and monochrome thermal transfer
- Enhanced color management system for top quality pictures
- Edge-to-edge, dual-sided printing
- Integrated ribbon saver for monochrome printing, integrated 1/2 Panel YMCKO picture management

ENCODING MODULE

- Reversible upper and lower encoding unit for magnetic stripes and contact smart cards (patented)
- 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, HID iCLASS
 - Other types upon request

PRINTING SPEED

- Color 1 side (YMCKO): 150 cards/hour
- Color 2 sides (YMCKO-K): 115 cards/hour
- Monochrome 1 side full card: 1000 cards/hour
- Monochrome 2 sides full card: 320 cards/hour

RIBBONS EVOLIS HIGH TRUST

- Color ribbons:
 - 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
- Monochrome ribbons:
 - 2-panel KO black monochrome ribbon - 500 cards/roll
 - Black monochrome ribbons - up to 3000 cards/roll
 - BlackWAX (for ABS & special varnished cards) - up to 3000 cards/roll
 - Red, green, blue, white, gold, silver, scratch-off, signature panel: up to 1000 cards/roll
 - Continuous varnish hologram - 350 cards/roll

OPTIONS & ACCESSORIES

- Quantum Production Pack: 1 detachable card hopper with short door, 2 cleaning rollers, 1 cleaning kit
- Quantum Backup Pack: 1 print head, 1 reversible encoding module, 1 detachable card hopper with short door
- Detachable hopper (long or short doors) with a capacity of 500 cards (0.76 mm - 30 mil)

CARDS MANAGEMENT AND FEATURES

- Detachable and interchangeable card input feeder and output stack with 500 cards capacity (0.76 mm - 30 mil)
- Reject hopper with a capacity of 20 cards (0.76mm - 30mil)
- Card format: ISO CR-80 - ISO 7810 (53.98 mm x 85.60 mm - 3.375 x 2.125)
- All PVC, Composite PVC cards, PET, ABS⁽¹⁾ and special varnished cards⁽¹⁾
- Thickness: 0.76mm to 1mm (30 to 40 mil)

RESIDENT FONTS

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

SOFTWARE

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

SUPPORTED PLATFORMS

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

FORM FACTOR AND WEIGHT

- Form Factor:
 - Without hoppers : 215 mm (8.46") (H) x 850 mm (33.46") (L) x 300 mm (11.81") (W)
 - With hoppers : 567 mm (22.32") (H) x 850 mm (33.46") (L) x 300 mm (11.81") (W)
- Weight: 21,7 kg / 47,8 lbs (18,3 kg / 40,3 lbs without hoppers)

POWER SUPPLY

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

ENVIRONMENTAL CONDITIONS

- 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

WARRANTY

- 1-year warranty (printer and print head), limited to 500 000 passes⁽²⁾

¹ Under specific conditions / ² Warranty Subject to observance of specific conditions and use of Evolis High Trust® consumables



evolis
card printers

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Keith Simpson

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digital



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