

Magicard Rio



Single Sided

Downloads and prints a full card image in less than 20 seconds using advanced bi-directional USB or parallel port

Unique HoloKote™ key-controlled anti-counterfeiting card protection feature

Drop-in dye film loading with automatic detection and set-up for dye film type

Whisper quiet operation thanks to advanced micro-stepping drive system

Built tough to withstand the hard work of high throughput print jobs, but also ideal for low duty-cycle applications

A full two years UltraCoverplus™ warranty with no-hassle printhead and loaner cover, in USA and EEC



THE  
**MAGICARD**  
LATIN COLLECTION



The new Magicard Rio is a simple to use, fast printing, high security colour printer, suitable for all single sided CR80 ID card applications.

Ease of use is ensured by the Rio's front access controls, drop-in dye film loading, open access card feeder and stacker, and the simplest ever T-card cleaning system.

High speed printing is facilitated by the new Windows '98 and Windows 2000 software driver which offers on-screen printer status and extremely fast downloads via the built-in parallel and USB interface ports. Using full colour five panel (YMCKO) dye film, the Rio can download and print a full card image in less than 20 seconds, giving a true 180 cards an hour throughput - even when every card is unique.

Protection from forgery is achieved thanks to Ultra's patented HoloKote™ system which cannot be copied or bypassed. This unique security feature incorporates a repeating frosted security logo into the overcoat laid down during the normal print cycle. A standard HoloKote™ logo is built into the Rio, but increased security can be achieved through the use of an encrypted custom logo which is electronically stored in a miniature 'Compact Flash' sized UltraSecure™ key. HoloKote™ costs absolutely nothing to use, and the custom logo turnaround times and set-up charges for UltraSecure™ keys are minimal.

Rio owners can also feel secure in the knowledge that their printer is built for heavy duty usage and is ideal for both batch printing and occasional issue applications.

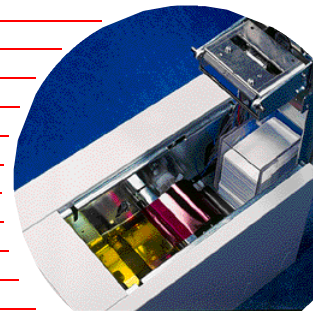
In the unlikely event that anything should go wrong, the Rio is covered by the best no-quibble warranty in the business. Two years UltraCover<sup>plus</sup> protection is included free in the EEC and North America. This unrivalled plan provides free printhead replacement regardless of the cause of failure and includes a free loaner service if a printer has to be returned for repair.

On top of all these features, the Magicard Rio offers superb, high quality, edge-to-edge printing and it looks good. With the right front-to-back orientation, the Rio fits unobtrusively into any office environment and is whisper-quiet in operation



### Specifications

<b>Print Speed YMCKO</b>	Around 20 seconds per card including download
<b>Duty Cycle</b>	No limits specified for both high and low throughput applications
<b>Security Features</b>	HoloKote™ anti-forgery protection preconfigured with UltraSecure logo plus custom security mark when used with the optional UltraSecure™ key
<b>Standard Warranty</b>	12 months (In the EEC and North America, the Rio also comes bundled with two years FREE UltraCover <sup>plus</sup> ™ warranty which includes full printhead coverage and free loaner service)
<b>Printer Interfaces</b>	Separate bidirectional IEEE standard 1284-1994 compatible (Centronics) parallel port and Universal Serial Bus (USB rev 1.1) port (user choice)
<b>Dye film Loading</b>	Simple drop in loading (no threading)
<b>Dye film Setup</b>	Automatically detects dye film type and informs PC driver software
<b>Dye Film Capacity</b>	High capacity 350 shot spool for standard 5 panel YMCKO dye film (other types offer even higher capacity)
<b>Printhead Replacement</b>	Simple field replaceable unit (single fastener and connector)
<b>Software</b>	Supplied with Windows '98 and Windows 2000 driver software with on screen status (local or networked operation)
<b>Cleaning</b>	Driver reminds operator to carry out simple cleaning cycle using externally fed T-card. Interval can be changed to suit conditions (350 cards standard)
<b>Power Source</b>	Internal Power Supply autoranging 90 to 165 VAC 47-63 Hz 100 watts max. load
<b>Magstripe Encoder</b>	Optional HiCo/LoCo magstripe encoder (Rio M) ISO std. 7811 and customer formats - can be combined with chip encoder (Rio MS)
<b>Smart Card Encoder</b>	Optional chip contact programming facility for smart cards (Rio S) - can be combined with magstripe encoder (Rio MS)
<b>Prox Card Encoder</b>	Contact Ultra Electronics Card Systems
<b>Card Lamination</b>	The optional UltraShield™ stand alone laminating station can be used to apply a tough, 1 mil (0.0254mm) thick polyester overlamine
<b>OEM Customisation</b>	Firmware is stored in upgradeable flash EPROM and product can be re-badged for OEM quantities
<b>Dimensions</b>	7.5" W x 8.0" H x 17.5" L (190mm W x 200mm H x 445mm L) including feeder and stacker
<b>Weight</b>	18.5lbs (8.4 kg)
<b>Colour</b>	Ivory (NCS1500)
<b>Print Method</b>	Dye Sublimation
<b>Resolution</b>	300 dpi (11.8 dots/mm)
<b>Card Size</b>	ISO Standard CR-80 standard.
<b>Card Thickness</b>	0.015 inches to 0.063 inches (0.38mm to 1.6mm)
<b>Card Material</b>	PVC or PVC/polyester sandwich with PVC surface suitable for dye sub-printing
<b>Card Capacity</b>	100 cards 0.030 inches (0.76mm) minimum in both feed hopper and card stacker
<b>Print Length (Full Bleed)</b>	1026 pixels (86.9mm)
<b>Print Width (Full Bleed)</b>	642 pixels (54mm)
<b>Operating Temperature</b>	50°F to 85°F (10°C to 30°C)
<b>Operating Environment</b>	Sheltered office environment
<b>Safety</b>	CE certified - UL listing (USA) pending UL listing (Canada) pending
<b>EMC</b>	EN 50 081-1 and EN 50 082-1 (Europe), FCC pt 15 curve A (USA) & CSA 08.8 curve A (Canada)



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