

# Rio PRO<sup>TM</sup>

The professional's choice for secure card printing



## SECURE

The Magicard Rio Pro's patented HoloKote<sup>®</sup> security technology adds a watermark to the card as it is printed - it requires no additional consumables and can be customized to an individual logo design - enabling true security at no extra cost. Secure encoding options include magnetic stripe, contactless and smart card technologies.

## EXPERT

Built for professionals, the Rio Pro's superior card printing quality is enhanced by ICC profiles that seamlessly map colors between software and the printer. The clear 4-line display provides intelligent user information and interaction.

## FLEXIBLE

USB and Ethernet interfaces are complemented with a Microsoft-certified plug & play driver. Batch print with the interchangeable 100-card feeder or print one-offs with the hand-feeder. Upgrade a single-sided Rio Pro to double-sided printing using a simple in-field upgrade kit.

## TOUGH

Built with high performance purpose-built materials and advanced components, the Rio Pro is designed and manufactured at Ultra Electronics' center of excellence for manufacturing in the UK and is backed with the market-leading UltraCoverPlus warranty.



### 3 year UltraCoverPlus warranty

The Rio Pro is supplied with a free, 3 year warranty with hassle-free printhead cover and loaner service.



PROFESSIONAL SERIES



# MAGICARD<sup>®</sup>

Secure ID card printers

100-card feeder

High-performance, purpose-built composites for durability

USB and Ethernet interfaces



Simple field upgrade to double-sided printing



3 year printhead warranty

Custom HoloKote card (option)

ICC color enhanced prints

Magnetic stripe and smart card encoding options

Clear, intuitive 4-line display

Hand-feed capability

Patented HoloKote® watermark

70-card stacker

**SPECIFICATIONS**

<b>Card security</b>	A HoloKote security watermark can be printed across the card surface. When used with HoloPatch® cards, one area of the HoloKote watermark is highlighted as a high visibility security seal. A choice of 4 standard HoloKote designs and 1 standard HoloKote Flex design are selectable from the printer driver. For added security, Custom HoloKote enables customization of the watermark to an individual logo or security design.
<b>Warranty†</b>	3 years UltraCoverPlus warranty and support which includes full printhead coverage and free loaner service - Available in North America, EU and other selected territories. Elsewhere 12 months limited warranty.
<b>Printer interfaces</b>	USB and Ethernet both fitted as standard.
<b>Software drivers</b>	Windows 2000 / XP / VISTA / 2003 Server / 2008 Server / Windows 7. NB: Driver operates with 32 and 64 bit Windows.
<b>Card capacity</b>	100-card feeder, 70-card stacker.
<b>Weight</b>	4.9kg (10.8 lbs).
<b>Power source</b>	External power supply 100-240V 50-60Hz autoranging.
<b>Dimensions</b>	470mm L x 220mm W x 250mm H (18.5" L x 8.6" W x 9.8" H) including feeder and stacker.
<b>Print speed</b>	*Color standard mode: 31 seconds, *Color fast mode: 23 seconds, *Monochrome resin: 6 seconds (*single-sided card)
<b>Operating environment</b>	Sheltered office environment 10°C to 30°C (50°F to 85°F).

**CONSUMABLES**

**PART NUMBERS**

<b>Dye film</b>	<ul style="list-style-type: none"> <li>• YMCKO 5 panel dye film, 300 images.</li> <li>• Monochrome resin black dye film, 1000 images.</li> <li>Also available in *White, *Blue, *Red, *Gold and *Silver.</li> <li>• KO black and overcoat resin dye film, 600 images.</li> <li>• YMCKOK 6 panel dye film, 250 double-sided images, color on front, black on back (double-sided only).</li> </ul>	<p><b>MA300YMCKO</b> <b>MA1000K-Black*</b></p> <p><b>MA600KO</b> <b>MA250YMCKOK</b></p>
<b>Card types/thickness</b>	All standard PVC ISO CR80 sized cards / 0.51mm to 1.02mm (0.020" to 0.040"). HoloPatch cards. Use HoloKote with HoloPatch for a highly-visible gold seal on the card.	
<b>Cleaning kit</b>	10 cleaning cards, 1 pen.	<b>3633-0053</b>
<b>Cleaning roller kit</b>	5 cleaning rollers, 1 metal roller bar.	<b>3633-0054</b>

**VARIANTS**

<b>Rio Pro</b>	Magicard Rio Pro: single-sided printer.	<b>3652-0001</b>
<b>Rio Pro Duo</b>	Magicard Rio Pro Duo: double-sided printer.	<b>3652-0021</b>
<b>Variants</b>	Magnetic stripe card encoding, smart card encoding. (Mifare, Desfire, iClass, contact chip and combi). Other smart card encoders also available.	<b>Special order</b>

**OPTIONS**

<b>Double-sided upgrade</b>	Upgrade the single-sided Rio Pro to the Rio Pro Duo.	<b>3633-0052</b>
<b>Custom HoloKote kit</b>	Kit contains a CD to install the data and a Custom HoloKote card that fits into your printer.	<b>HoloSet</b>



<b>HoloKote®</b>	<b>Custom HoloKote®</b>	<b>Custom HoloKote FLEX™</b>	<b>HoloPatch®</b>	<b>Encoding</b>	<b>Magnetic stripe</b>	<b>Smart card</b>
A standard anti-counterfeiting watermark printed in a grid pattern across the entire card surface.	A customizable anti-counterfeiting watermark printed in a grid pattern across the entire card surface.	A fully flexible and customizable anti-counterfeiting watermark printed across the entire card surface.	HoloPatch cards have a highly reflective gold 'super diffuser' foil square that enhances the visibility of the overprinted HoloKote logo.	- Encoder for access control, time and attendance. - Contact chip, combi, Mifare, Desfire, iClass, Legic options. Other encoders available.	- Encoder for access control, time and attendance.	- Contact chip, combi, Mifare, Desfire, iClass, Legic options. Other encoders available.

Magicard, HoloKote, Custom HoloKote, HoloPatch, HoloKote FLEX, and Rio Pro are trademarks or registered trademarks of Ultra Electronics Limited. All other trademarks, brand names, or product names belong to their respective holders. The information contained in this document reflects the current state of design and we reserve the right to change the specification without notice or obligation.

†Warranty subject to the observance of specific conditions of use and maintenance, as well as the use of certified 'Original Magicard' dye films.

RioProUSA2PP Issue 1.01

[www.magicard.com](http://www.magicard.com)

**Ultra Electronics Card Systems Inc.**  
 North American Sales & Support Center  
 6711 - 176th Avenue NE Redmond, WA 98052  
 Toll free: 877 236 0933 Tel: (425) 556 9708  
 Fax: (425) 556 3962  
 Email: [americas@magicard.com](mailto:americas@magicard.com)

**Ultra Electronics Card Systems**  
 Hampshire Road, Weymouth,  
 Dorset DT4 9XD, United Kingdom  
 Tel: +44 (0) 1305 767 100  
 Fax: +44 (0) 1305 777 904  
 Email: [info@magicard.com](mailto:info@magicard.com)

