

MAGICARD

COLOR ID CARD PRINTERS - THE ONLY CARD PRINTERS YOU'LL EVER NEED



NEW!

- *Sicura Laminator*
- *Prima Reverse Transfer Printer*

The Ultra patented HoloKote[®] anti-forgery protection system is a standard feature on all Magicard Rio and Tango printers

www.ultramagicard.com

Photo ID Cards

Access Control

Official Passes

Membership Cards

Barcoded Cards

Magstripe Cards

Double Sided Cards

Smart Cards

Contactless Smartcards



Magicard card printers are designed and manufactured to ISO 9002 international quality standards

Magicard HoloKote™



ULTRA'S PATENTED LOW COST HIGH SECURITY ANTI-FORGERY SYSTEM

This unique system repeats a daylight visible security logo across the whole card face and is available only on the Magicard Rio and Tango range
Zero consumable costs, Very low set-up costs and lead times for custom logos

Custom security logos are applied to the card only when the encrypted Custom Key is attached to the printer

When used with our optional HoloPatch™ cards, the logo is clearly visible from any angle even in poor light



Magicard UltraCoverplus™ extended warranty

THE BEST WARRANTY PACKAGE IN THE ID CARD PRINTER INDUSTRY

Two years UltraCoverplus™ is included FREE with all new Magicard Rio, Tango and Solo card printers

Covers the FREE replacement of any failed printhead, whatever the cause of failure
Reduces printer down-time by providing a loan unit until the repaired item has been returned. Standard for all Magicard customers within North America or Europe only



Rio and Tango

Built-in UltraSecure watermark logo comes free with every Rio and Tango printer. For highest security and card forgery protection, custom logos can be programmed on a unique Custom Key



Rio and Tango
(option)

Holopatch cards have a highly reflective gold 'super diffuser' patch which is used in conjunction with the HoloKote anti-counterfeiting feature to highlight a selected logo for distance visibility. The HoloPatch feature can also be applied to customer supplied prox cards if required



Rio, Tango & Solo

Free two years UltraCoverplus® warranty with no-quibble printhead and loaner cover (standard in US & EU only)



Rio and Tango

Full bleed (edge to edge printing)



Tango only

Duplex (double-sided printing)



Rio and Tango
(option)

A dual coercivity HiCo/LoCo magstripe encoder option which offers encoding of all four tracks with complete user format flexibility (Specify /M)



Rio and Tango
(option)

Optional ISO 7816 internal smart card chip encoding contact station with direct connection to a DB9 connector on the rear of the printer (Specify /S). Can be combined with the Magstripe Encoder option (Specify /MS)



Rio and Tango
(option)

Optional ISO 14443A or B contactless smartcard encoder with variants for MIFARE, Legic, I-Class and others. Ideal for biometrics, fares, vending and access control



The Printers and Laminators

Rio

PROFESSIONAL DESKTOP SINGLE-SIDED CARD PRINTER

Downloads and prints a colour, single-sided card image (YMCKOK) in less than 20 seconds using advanced bi-directional USB or parallel port

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

Features built-in HoloKote™, Ultra's patented anti-forgery system



Tango

PROFESSIONAL DESKTOP DUPLEX CARD PRINTER

Downloads and prints a full colour, duplex card image in around 25 seconds using advanced bi-directional USB or parallel port.

Whisper quiet operation. plus easy drop-in dye film loading with automatic detection and set-up for dye film type.

Features built-in HoloKote™, Ultra's patented anti-forgery system



RioGRANDÈ

PRINTS CR100 LARGE FORMAT CARDS

The Grande is a Rio variant which prints onto CR 100 large format sized cards using standard LC1 five panel dye film. This format is ideal for Government and Airport cards



Prima

RE-TRANSFER LAMINATING PRINTER

The Magicard Prima prints on the reverse of a transparent PVC re-transfer film which is then laminated onto the face of a CR80 sized card made from PVC, PET, ABS or PVH

This process protects the image from handling damage and produces a brilliant edge-to-edge image with superb registration and clarity.

The quality and durability of the finished card is similar to that achieved by the off-set litho printing process, but with the advantage that every card can be different



Sicura

LAMINATOR

The Magicard Sicura can be used in tandem with Rio and Tango printers or as a stand-alone laminator



Puts a tough, polyester overlaminate onto pre-printed cards to protect against physical damage and tampering. Overlaminates can feature a custom hologram logo



The Specifications

	Rio	Tango	Prima
Print Speed YMCKO	Around 20 seconds per card including download	YMCKOK (color & black resin on reverse) around 25 seconds per card including download. YMCKO (double-sided full color) around 35 seconds	About 30 seconds per full color (YMCK) side. Prints both sides in YMCK in about 60 seconds
Duty Cycle	No limits. Specified for both high and low throughput applications	No limits. Specified for both high and low throughput applications	No limits. Specified for both high and low throughput applications
Security Features	Holokote anti-forgery protection preconfigured with UltraSecure logo plus custom security mark when used with the optional UltraSecure™ key	Holokote anti-forgery protection preconfigured with UltraSecure logo plus custom security mark when used with the optional UltraSecure™ key	Built-in re-transfer laminate protection. Image is printed on rear of retransfer film
Standard Warranty	12 months (In North America and the EU, the Rio also comes bundled with two years FREE UltraCoverplus warranty which includes full printhead coverage and free loaner service)	12 months (In North America and the EU, the Tango also comes bundled with two years FREE UltraCoverplus warranty which includes full printhead coverage and free loaner service)	12 months (In the North America and the EU, the Tango also comes bundled with two years FREE UltraCoverplus warranty which includes full printhead coverage and free loaner service)
Printer Interfaces	Separate bidirectional IEEE standard 1284-1994 compatible (Centronics) parallel port and Universal Serial Bus (USB rev 1.1) port (user choice)	Separate bidirectional IEEE standard 1284-1994 compatible (Centronics) parallel port and Universal Serial Bus (USB rev 1.1) port (user choice)	SCSI II, Various installation options including PCI, PCMA and USB converter
Dye film	YMCKO (five panel), KO (black + overcoat) Range of color monochrome resin ribbon	YMCKOK (six panel)YMCKO (five panel), KO (black + overcoat) Range of color monochrome resin ribbon	YMCK (4 panel)
Dye film Loading	Simple drop in loading (no threading)	Simple drop in loading (no threading)	Pre-charge cassette loading
Dye film Setup	Automatically detects dye film type	Automatically detects dye film type	N.A.
Dye Film Capacity	High capacity 350 shot spool for standard 5 panel YMCKO dye film (other types offer even higher capacity)	High capacity 300 shot spool for standard 6 panel YMCKOK dye film (other types offer even higher capacity)	1000 color sides per roll
Printhead Replacement	Simple field replacable unit (single fastener and connector)	Simple field replacable unit (single fastener and connector)	Simple field replacable unit
Software	Supplied with Windows '98, ME, NT4 and 2000/XP driver software with on screen status (local or networked operation)	Supplied with Windows '98, ME, NT4 and 2000/XP driver software with on screen status (local or networked operation)	Supplied with Windows '98, ME, NT4 and 2000/XP driver software
Cleaning	Simple cleaning cycle using externally fed T-card. Interval can be changed to suit conditions (350 cards standard)	Simple cleaning cycle using externally fed T-card. Interval can be changed to suit conditions (350 cards standard)	Removable cleaning roller cassette
Power Source	Internal Power Supply autoranging 90 to 265 VAC 47-63 Hz 100 watts max. load	Internal Power Supply autoranging 90 to 265 VAC 47-63 Hz 100 watts max. load	100-120VAC/220-240VAC 47-63Hz
Magstripe Encoder	Optional HiCo/LoCo magstripe encoder (Rio M) ISO std. 7811 and customer formats - can be combined with chip encoder (Rio MS)	Optional HiCo/LoCo magstripe encoder (Tango M) ISO std. 7811 and customer formats can be combined with chip encoder (Tango MS)	Optional HiCo/LoCo magstripe encoder (Prima M) ISO std. 7811 and customer formats can be combined with chip encoder (Prima MS)
Smart Card Encoder	Optional chip contact programming facility for smart cards (Rio S) - can be combined with magstripe encoder (Rio MS)	Optional chip contact programming facility for smart cards (Tango S) - can be combined with magstripe encoder (Tango MS)	Optional chip contact programming facility for smart cards (Prima S) - can be combined with magstripe encoder (Prima MS)
Prox Card Encoder	Optional MIFARE® contactless smart card encoder (Rio MIFARE). Other prox card options available: Contact Ultra Electronics Card Systems	Optional MIFARE® contactless smart card encoder (Tango MIFARE). Other prox card options available: Contact Ultra Electronics Card Systems	Various contactless smartcard options available. Contact Ultra Electronics Card Systems
Card Lamination	The optional Sicura™ stand alone laminating station can be used to apply a tough, 1 mil (0.0254mm) thick polyester overlaminate	The optional Sicura™ stand alone laminating station can be used to apply a tough, 1 mil (0.0254mm) thick polyester overlaminate	The Prima always produces a laminated card, but an additional polyester overlaminator such as the Sicura can be used for extra protection
OEM Customisation	Firmware is stored in upgradable flash EPROM and product can be re-badged for OEM quantities	Firmware is stored in upgradable flash EPROM and product can be re-badged for OEM quantities	N.A.
Dimensions	7.5" W x 8.0"H x 17.5" L (190mm W x 200mm H x 445mm L) including feeder and stacker	7.5" W x 8.0"H x 21.5" (190mm W x 200mm H x 545mm) L including feeder and stacker	13.4" W x 15" 0" H x 13.4" L (340mm W x 381mm H x 340mm L)
Weight	18.5lbs (8.4 kg)	21lbs (9.5 kg)	48.5lbs (22kg)
Color	Ivory (NCS 1500)	Ivory (NCS 1500)	Dark gray with light blue trim
Print Method	Dye Sublimation	Dye Sublimation	Dye sublimation reverse transfer
Resolution	300 dpi (11.8 dots/mm)	300 dpi (11.8 dots/mm)	300 dpi (11.8 dots/mm)
Card Size	ISO Standard CR80 (Rio Grande ISO Standard CR100)	ISO Standard CR-80	ISO Standard CR-80,
Card Thickness	0.015" to 0.063" (0.38mm to 1.6mm)	0.015" to 0.063" (0.38mm to 1.6mm)	0.01" x 0.1" (0.25mm x 2.4mm),
Card Material	PVC or PVC/polyester sandwich with PVC surface suitable for dye sub-printing	PVC or PVC/polyester sandwich with PVC surface suitable for dye sub-printing	PVC, PET, ABS, PVH (card surface is not printed)
Card Capacity	100 cards feed hopper, 50 output stacker	100 cards feed hopper, 50 output stacker	300 ISO cards in feed tray
Print Length (Full Bleed)	1026 pixels (86.9mm)	1026 pixels (86.9mm)	TBA
Print Width (Full Bleed)	642 pixels (54mm)	642 pixels (54mm)	TBA
Operating Temperature	50°F to 85°F (10°C to 30°C)	50°F to 85°F (10°C to 30°C)	59°F to 85°F (15°C to 30°C)
Operating Environment	Sheltered office environment	Sheltered office environment	Sheltered office environment
Safety	CE certified - UL listed (USA & Canada))	CE certified - UL listed (USA & Canada)	CE certified - UL listed (USA & Canada))
EMC	EN 50 081-1 and EN 50 082-1 (Europe), FCC pt 15 curve A (USA) & CSA 08.8 curve A (Canada)	EN 50 081-1 and EN 50 082-1 (Europe), FCC pt 15 curve A (USA) & CSA 08.8 curve A (Canada)	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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