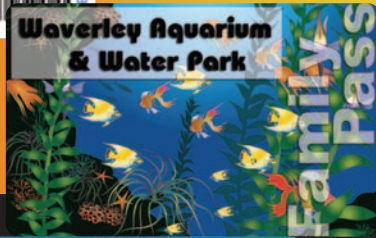


MAGICARD

secure ID card printers



when security really matters

Magocard secure ID card printers include the entry-level Opera and Avalon, the compact Alto, the high-security Rio and Tango models, and the top-of-the-range reverse transfer Prima.



Avalon | Rio | Tango | Prima | Alto | Opera | Sicura



The best warranty in the business, the UltraCover^{plus}® no hassle printhead cover and loaner service is Free for two years with all new Magocard Rio, Tango, Alto and Prima ID card printers and Sicura laminators supplied in North America or the EU.

UltraCover^{plus} reduces printer downtime by providing a free loan printer to customers whose machines require factory service.

Ultra Electronics Card Systems is one of the pioneers of ID card printing, having manufactured card printers since 1993. We differentiate ourselves by providing a quality product with enhanced card security features, and through providing the best support and warranty in the business.

Ultra Electronics Card Systems is part of the international aerospace, defence and security group, Ultra Electronics plc. With 2,800 employees, located mainly across North America and the UK, Ultra Electronics concentrates on obtaining a technology edge in niche markets, with many of our products and technologies being market leaders in their field.

It's all about the card . . .

HoloKote is an anti-counterfeiting watermark across the entire card surface, which becomes visible when the card is viewed at an angle. There are no additional costs involved in printing HoloKote cards. Standard dye film is used to print HoloKote images on standard plastic cards.

HoloKote

The Ultra patented built-in HoloKote™ security watermark comes free with every Opera, Avalon, Alto, Rio and Tango printer.



HoloPatch

Completely unique to Magicard, HoloPatch™ cards have a highly reflective gold 'super diffuser' seal. When used in conjunction with the HoloKote™ anti-counterfeiting feature, the security mark is highlighted for distance visibility.

The HoloPatch feature can also be applied to customer supplied prox cards if required.

Custom Key

Chose your own text and/or logos for the HoloKote and HoloPatch security features, using the Custom Key.



Edge-to-Edge

Edge-to-edge full color printing produces a high quality 300dpi image right to the edge of the card.



Card Encoding - mag stripe, chip and contactless card encoding variants are available

Opera :
Hand Fed ID Card Printer



The best value all-in-one solution for color ID card printing. Comes complete with Magicard ID badging software.

A compact, attractive printer, easy to set up and use. Hand fed for easy one-off card printing.

ENCODING | SECURITY | PRINTER

Single-sided hand-fed printer
50 prints per dye film roll

HoloKote card forgery protection
Fixed design - waves pattern

Magstripe

Avalon :
Single-Sided ID Card Printer



Proven Magicard security and reliability in a great value package. The Magicard Avalon features our patented HoloKote card security which protects your cards against unauthorized copying.

Competitively priced high-quality color and monochrome ribbons.

ENCODING | SECURITY | PRINTER

Single-sided printer with hoppers
250 prints per dye film roll

HoloKote card forgery protection
Fixed - globes pattern

Magstripe

Alto :
Hand Fed Secure ID Card Printer



The smallest, lightest, and best value full color professional dye-sublimation ID card printer.

This compact, attractive design lends itself to use in company reception areas, and for hospitality applications. So small and light (only 7lb / 3.2kg) it is easily portable.

ENCODING | SECURITY | PRINTER

Single-sided hand-fed printer
100 prints per dye film roll

HoloKote card forgery protection
Custom security text

Magstripe

Rio :
Secure Single-Sided ID Card Printer



The industry work horse dye-sublimation printer. The high-security Rio features fully-customizable HoloKote and HoloPatch card security features.

Prints a single-sided full color card image (YMCKO) in 20 seconds.

Built tough to withstand the hard work of high throughput jobs.

ENCODING | SECURITY | PRINTER

Single-sided printer with hoppers
350 prints per dye film roll

HoloKote card forgery protection
Custom security logos and text

Magstripe
Proximity/contactless
Contact chip

Tango :
Double-Sided Secure ID Card Printer



High-throughput and high security. The dye-sublimation Tango features fully-customizable HoloKote and HoloPatch card security features.

Prints a double-sided, full color card in around 40 seconds. Prints YMCKOK in 30 seconds.

- ENCODING | SECURITY | PRINTER Double-sided printer with hoppers
300 double-sided prints per dye film roll
- HoloKote card forgery protection
- Custom security logos and text
- Magstripe
- Proximity/contactless
- Contact chip

Grande :
Large Format ID Card Printer



The Grande is a Rio variant that prints onto CR100 large format cards.

Uses standard five panel dye film.

This format is ideal for Government, airport, hospital, university and entertainment venue cards.

- ENCODING | SECURITY | PRINTER Single-sided printer with hoppers
350 prints per dye film roll
- HoloKote card forgery protection
- Custom security logos and text

Prima :
Reverse Transfer Laminating Card Printer



The reverse-transfer Prima is ideal for producing top quality, highly durable cards.

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

- ENCODING | SECURITY | PRINTER Double-sided printer with hoppers
1000 prints per dye film roll
- UV hologram
- Magstripe
- Proximity/contactless
- Contact chip

Sicura :
Over-Laminating Station



The Sicura laminator applies a tough, polyester laminate film onto pre-printed CR80 PVC cards.

The overlamine film extends card life to at least 40,000 swipes.

Can be used as an in-line laminating station with the Rio, Tango or Turbo family of printers.

- ENCODING | SECURITY | LAMINATOR Laminator
250 laminations per roll
- Custom holograms

How is HoloKote™ printed onto the card?

After the color image has been printed onto the card, an overlay (the 'O' in YMCKO) layer is added to protect the card from fading and scratching. The HoloKote pattern or logo is frosted into the overlay at the time of printing. This is a unique Magicard patented feature and, unlike most other security logos, it involves no extra cost of printing.

How do HoloKote and HoloPatch work together as a visible security feature?

The unique HoloKote feature is daylight visible by tilting the card to view the watermark pattern. For even greater security, HoloPatch cards combined with HoloKote provide a distance-visible security mark allowing a security guard or colleague to easily identify badgeholders from a distance of six feet or more.



HoloKote Custom Key logos printed on HoloPatch cards provide the ultimate card security

	<i>Opera</i>	<i>Avalon</i>	<i>Alto</i>	<i>Rio/Tango</i>	<i>Prima</i>	
Printing	Print technology	Dye sublimation	Dye sublimation	Dye sublimation	Reverse transfer	
	Print speed	30 seconds	35 seconds	30 seconds	20 seconds single sided 40 seconds double sided	30 seconds single sided 60 seconds double sided
	Card thickness	20 mil to 40 mil (0.51mm to 1.02mm)	15 mil to 63 mil (0.38mm to 1.6mm)	20 mil to 40 mil (0.51mm to 1.02mm)	15 mil to 63 mil (0.38mm to 1.6mm)	10 mil to 100 mil (0.25mm to 2.4mm)
	Card Capacity	Hand fed - 1 card at a time	100 card feed hopper, 50 card output stacker	Hand fed - 1 card at a time	100 card feed hopper, 50 card output stacker	300 cards in feed tray
	Image protection	Overlay	Overlay	Overlay	Overlay or optional in-line lamination	Standard lamination layer
Consumables	Dyefilm cassettes, card dispensers and dyefilm rolls	PCF1 : 50 PVC cards + 50 shot YMCKO dye film PCF2 : 50 HiCo cards + 50 shot YMCKO dye film PCF3 : 50 HoloPatch cards + 50 shot YMCKO dye film PCF4 : 50 HiCo HoloPatch cards + 50 shot YMCKO dye film PF3 : 500 shot black dye film	AV1 : 250 shot YMCKO dye film roll LC1 : 350 shot YMCKO dye film roll LC3 : 1,000 shot monochrome dye film roll in range of colors	PCF6 : 100 PVC cards + 100 shot YMCKO dye film PCF7 : 100 HiCo cards + 100 shot YMCKO dye film PCF8 : 100 HoloPatch cards + 100 shot YMCKO dye film PCF9 : 100 HiCo HoloPatch cards + 100 shot YMCKO dye film PF3 : 500 shot black dye film	LC1 : 350 shot YMCKO dye film roll LC6 : 600 shot KO (black & overcoat) LC8 : 300 shot YMCKOK dye film roll (Tango only) LC3 : 1,000 shot monochrome dye film roll in range of colors	1,000 YMCK four panel dye film cassette 1,000 shot roll re-transfer film
Security	Anti-card copying	Standard HoloKote (waves)	Standard HoloKote (globes)	Custom HoloKote (text only)	Custom HoloKote (text and logos)	UV watermark in laminate
	Visible security	HoloPatch	HoloPatch	HoloPatch	HoloPatch	
Encoding	Magnetic stripe	Optional HiCo encoder ISO std. 7811	Optional HiCo encoder ISO std. 7811	Optional HiCo encoder ISO std. 7811	Optional HiCo encoder ISO std. 7811	Optional HiCo encoder ISO std. 7811
	Smartcard encoder				Optional chip contact programming facility	Optional chip contact programming facility
	Prox. card (contactless)				Various contactless smart card options available	Various contactless smart card options available
Printer	Printer interface	USB rev.1.1 (USB 2.0 compatible)	USB rev.1.1 (USB 2.0 compatible)	USB rev.1.1 (USB 2.0 compatible)	USB and parallel ports	SCSI II. Various other options including PCI, PCMIA and USB converter
	Printer drivers	Windows 98, ME, 2000 XP drivers Magicard ID badging software	Windows 98, ME, 2000 XP drivers	Windows 98, ME, 2000 XP drivers	Windows 98, ME, 2000 XP drivers	Windows 98, ME, 2000 XP drivers
	Dimensions	Opera: 6.9" W x 7.8" H x 8.3" D (175mm W x 200mm H x 211mm D) Opera 105: 6.9"W x 7.8" H x 10.3" D (175mm W x 200mm H x 211mm D)	7.9" W x 8.7" H x 17.5" D (200mm W x 220mm H x 445mm D)	Alto: 6.9" W x 7.8" H x 8.3" D (175mm W x 200mm H x 211mm D) Alto M: 6.9"W x 7.8" H x 10.3" D (175mm W x 200mm H x 211mm D)	Rio: 7.5" W x 8.0" H x 17.5" D (190mm W x 200mm H x 445mm D) Tango: 7.5" W x 8.0" H x 21.5" D (190mm W x 200mm H x 545mm D)	13.4" W x 15" H x 13.4" D (340mm W x 381mm H x 340mm D)
	Color	Metallic silver/translucent red	Metallic silver/translucent purple	Metallic silver/charcoal	Ivory	Grey with blue trim
	Cleaning	Easy cleaning cycle using externally fed 'T' card	Easy cleaning cycle using externally fed 'T' card plus disposable roller	Easy cleaning cycle using externally fed 'T' card	Easy cleaning cycle using externally fed 'T' card plus disposable roller	Removable cleaning roller cassette
	Warranty	12 months limited warranty	12 months limited warranty	12 month limited warranty 2 years free UltraCoverPlus (North America & EU only)	12 months limited warranty 2 years free UltraCoverPlus (North America & EU only)	12 months limited warranty 2 years free UltraCoverPlus (North America & EU only)
	Operating Environment : Sheltered office environment 10° C to 30° C (50° F to 85° F) Safety : CE certified - UL listed (USA & Canada) EMC : EN50 081-1 and EN 50 082-1 (Europe), FCC pt 15 curve A (USA) &CSA 08.8 curve A (Canada)					



ISO 9001 accredited



MAGICARD

Ultra Electronics Card Systems Inc.
North American Sales and Support Center
6711 - 176th Avenue NE
Redmond, WA 98052, USA
T: (425) 556 9708 **Toll Free:** (877) 236 0933
F: (425) 556 3962
E: USsales@ultramagicard.com
www.ultramagicard.com

Ultra Electronics Card Systems
Waverley House
Hampshire Road, Granby Estate
Weymouth, DT4 9XD, UK
T: +44 (0) 1305 784 738
F: +44 (0) 1305 777 904
E: TedWhelan@ultramagicard.com
www.ultramagicard.com

