Trusted, secure ID issuance

MAGiCARD®

DRIVING LICENCE

Name	**Florence Wright**	
Sex	**Female**	
Date of birth	**02-May-1995**	
Country of origin	**United Isles**	
Signature	*Florence Wright*	

Date of issue	Valid until
01-May-2015	**01-May-2025**

0 457457 937464

MADE IN BRITAIN

The complete range of ID card printers,
all with security built in.

HoloKote® - inbuilt visual security

HoloKote - added visual **security** at no extra cost

HoloKote, patented by Magicard, is a secure watermark that is frosted into the clear protective overcoat of the normal print process using standard consumables (ribbons and cards). It can be visually verified when the card is tilted in the light.

HoloPatch® enhanced visual **security**

HoloPatch cards have a highly reflective gold 'super diffuser' seal. When the HoloKote watermark is printed onto the seal, it becomes a distance visible security mark enabling security verification from a range of six feet or more.


Your logo as a customised **security** watermark

With the Magicard Rio Pro, the HoloKote watermark can be customised to an organisation's logo, or some other unique security design. This innovative security option is available by special order and the short lead time makes it possible for customers to start producing secure ID cards in far less time than is required by a custom holographic overlaminate solution, and at a fraction of the cost.

Our promise to keep you printing

The best **support** in the industry

Magicard's online and telephone support sets the benchmark for the ID printer industry. A comprehensive online portal with self-help, training videos and up-to-date downloadables is backed up by a global network of highly-trained technical support engineers, all available to take your call.
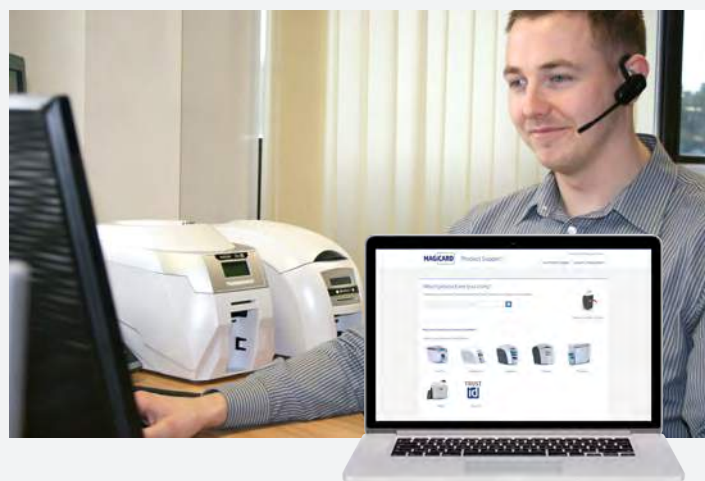
The best **warranty** in the industry

The reliability of our well established print engine enables us to offer some of the best warranty terms in the industry. Both the Rio Pro and Prima 4 are backed with a 3-year UltraCoverPlus warranty that includes:

- **Replacement of a damaged printhead** no matter what the cause of failure

- **A hot-swap loaner** if a printer is shipped to our service centre for repair

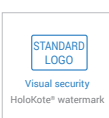The Pronto and Enduro3E printers are backed with 2 and 3 year depot warranties respectively.
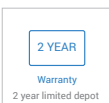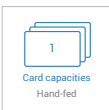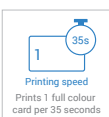
Pronto™

SECURITY LEVEL

ID card printing made easy

35s 1	**Printing speed** Prints 1 full colour card per 35 seconds
1	**Card capacities** Hand-fed
2 YEAR	**Warranty** 2 year limited depot
STANDARD LOGO	**Visual security** HoloKote® watermark
Windows | OS X	**Operating systems** Windows and Mac OS compatible

Incredibly easy to use with drop-in dye film and hand-fed card loading, the Pronto includes the HoloKote® visual security system and can print colour, monochrome or rewritable cards.

Its plug-and-play setup and compact footprint are ideal for portability and lower volume card printing.

Printer

Print technology	300 dpi dye sublimation/rewritable.
Card thickness	0.51mm to 1.02mm (20 mil to 40 mil).
Printer interface	USB rev.1.1/USB 2.0.
Drivers/software	Windows XP, Vista, 7, 8, 10 (32 and 64bit) Windows server 2003 R2 SP2, 2008, 2012 and Mac OS X 10.9.0 upwards.
Dimensions	W 215mm x H 233mm x D 270mm (W 8.4" x H 9.1" x D 10.6").
Weight	4.4 kg/9.7 lb.
Operating environment	Sheltered office environment 10°C - 30°C (50°F - 85°F).

Security

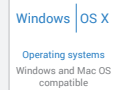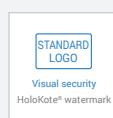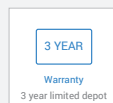|	
Gold seal	HoloPatch® card stock – ordered separately.
Magnetic stripe encoding	HiCo and LoCo encoder ISO std. 7811.
Smart card encoding	Contact chip, MIFARE®, DESFire®, iClass® options.
Security watermark	HoloKote (4 standard designs).

Features

Standard

VISUAL SECURITY HoloKote® | Rewritable | Edge to edge

Optional

VISUAL SECURITY HoloPatch® | Magnetic stripe | Smart card encoding

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Enduro3E

SECURITY LEVEL

The World's most reliable card printer

1HR 100	**Printing speed** >100 full colour cards per hour
100/30	**Card capacities** 100 card input 30 card output
3 YEAR	**Warranty** 3 year limited depot
STANDARD LOGO	**Visual security** HoloKote® watermark
Windows | OS X	**Operating systems** Windows and Mac OS compatible
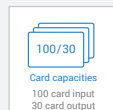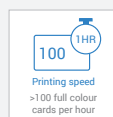
Robust, durable and reliable, the Enduro3E is perfect for schools, colleges and medium sized businesses that print up to 10,000 cards per year. The latest edition of this established ID card printing platform now includes Ethernet as standard and a 3 year warranty. When it comes to secure and reliable ID card printing, you can trust the Enduro3E to deliver.

Printer

Print technology	300 dpi dye sublimation/rewritable.
Card thickness	0.51mm to 1.02mm (20 mil to 40 mil).
Printer interface	USB rev.1.1/USB 2.0, Ethernet.
Drivers/software	Windows XP, Vista, 7, 8, 10 (32 and 64bit) Windows server 2003 R2 SP2, 2008, 2012 and Mac OS X 10.9.0 upwards.
Dimensions	W 206mm x H 233mm x D 453mm (W 8.1" x H 9.2" x D 17.8").
Weight	5.5 kg/12 lb.
Operating environment	Sheltered office environment 10°C - 30°C (50°F - 85°F).

Security

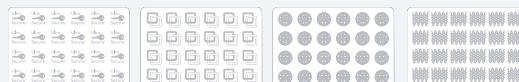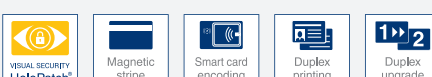|	
Gold seal	HoloPatch® card stock – ordered separately.
Magnetic stripe encoding	HiCo and LoCo encoder ISO std. 7811.
Smart card encoding	Contact chip, MIFARE®, DESFire®, iClass® options.
Security watermark	HoloKote (4 standard designs).

Features

Standard

VISUAL SECURITY HoloKote® | Rewritable | Edge to edge | Ethernet | ICC profiles

Optional

VISUAL SECURITY HoloPatch® | Magnetic stripe | Smart card encoding | Duplex printing | Duplex upgrade

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The industry standard for secure ID card printing

150 | 1HR
Printing speed
>150 full colour
cards per hour

100/70
Card capacities
100 card input
70 card output

3 YEAR UCP
Warranty
3 year UltraCoverPlus
with hot swap printer

CUSTOM LOGO
Visual security
Standard or Custom
HoloKote® watermark

Windows | OS X
Operating systems
Windows and Mac OS
compatible

The Rio Pro sets the standard for secure ID card printing. Its high capacity card hoppers and fast print engine can reliably produce large volumes of secure cards day in, day out.

The inbuilt Custom HoloKote® visual security system protects cards from fraud while Ethernet connectivity, a suite of encoding options and a comprehensive SDK deliver flexibility, security and reliability to your desktop.

Features

Standard

VISUAL SECURITY HoloKote®	Rewritable	Edge to edge	Ethernet	ICC profiles

Optional

CUSTOM HoloKote®	VISUAL SECURITY HoloPatch®	Magnetic stripe	Smart card encoding	Duplex printing	Duplex upgrade	Extra large hoppers

Printer

Print technology	300 dpi dye sublimation/rewritable.
Card thickness	0.51mm to 1.02mm (20 mil to 40 mil).
Printer interface	USB rev.1.1/USB 2.0, Ethernet.
Drivers/software	Windows XP, Vista, 7, 8, 10 (32 and 64bit) Windows server 2003 R2 SP2, 2008, 2012 and Mac OS X 10.9.0 upwards.
Dimensions	W 220mm x H 250mm x D 470mm (W 8.6" x H 9.8" x D 18.5").
Weight	4.9 kg/10.8 lb.
Operating environment	Sheltered office environment 10°C - 30°C (50°F - 85°F)

Security

Gold seal	HoloPatch® card stock – ordered separately.
Magnetic stripe encoding	HiCo and LoCo encoder ISO std. 7811.
Smart card encoding	Contact chip, MIFARE®, DESFire®, iClass® options. Other encoders available.
Security watermark	HoloKote (5 standard designs).
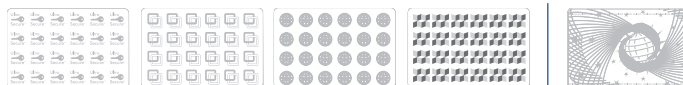
Customised watermark   Custom HoloKote® - Grid or full card pattern.

Prima **4**

🔒🔒🔒 SECURITY LEVEL

Photo quality printing and lamination in a desktop package

100 1HR **Printing speed** Up to 100 full colour cards per hour	**100/100** **Card capacities** 100 card input 100 card output	**3 YEAR UCP** **Warranty** 3 year UltraCoverPlus with hot swap printer and lifetime printhead cover	**OVER LAMINATES** **Visual security** Holographic laminates and UV film options	**Windows** **Operating systems** Windows compatible only

FIPS-201 certified for the personalisation of US Government credentials, the Prima 4 provides the most reliable, robust solution for instant issuance in a compact package.

Using retransfer printing technology, the Prima 4 produces cards with a photo quality comparable to offset lithographic printing.
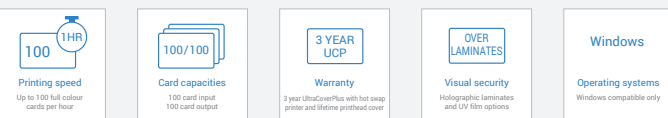
Optional UV printing, holographic lamination and multiple encoding options add an additional layer of security and durability.
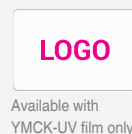
Printer

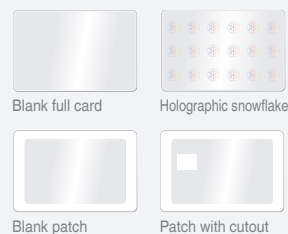|	
Print technology	300 dpi retransfer with 600 dpi option.
Card thickness	0.25mm to 1.00mm (10mil to 40mil).
Printer interface	USB 2.0, Ethernet.
Drivers/software	Windows 2000 Professional (SP4), XP (SP2, SP3), Vista (SP1), Windows Server 2003 R2 SP2, Server 2008, 2012, Windows 7, 8, 10 (32 and 64 bit).
Dimensions	343mm W x 320mm H x 330mm L (13.5" W x 12.6" H x 13" L).
Weight	15.5kg (34.1lbs).
Operating environment	Sheltered office environment 10°C - 30°C (50°F - 85°F).

Security and durability

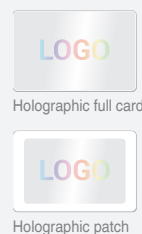|	
Printer security	Kensington lock, electronic lock for hopper and door, security ribbon erase.
Magnetic stripe encoding	HiCo encoder ISO std. 7811
Smart card encoding	Contact chip, MIFARE®, DESFire®, iClass® options. Others available.

UV	Standard laminates		Customised laminates
LOGO Available with YMCK-UV film only	Blank full card	Holographic snowflake	**LOGO** Holographic full card
	Blank patch	Patch with cutout	**LOGO** Holographic patch

Features

Standard

RT Photo quality printing	Over the edge	Ethernet	Printer lock

Optional

Magnetic stripe	Smart card encoding	Duplex printing	**1▸▸2** Duplex upgrade	600 dpi	**UV** Ultra Violet	Standard over laminate	**LOGO** Custom over laminate

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Rio PRO Secure

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Secure your localised credential issuance

The Rio Pro Secure features an opaque, lockable input hopper to secure blank cards. A secondary lock prevents the printer from being opened by unauthorised personnel and secures the opaque output stacker cover.

Rio PRO Xtended

Xtend your card printing capability

An adaptation of the Rio Pro print platform, with an extra large hopper and stacker, the Rio Pro Xtended prints oversized cards up to 140mm long for ticketing, accreditation and events.

Printer specification matrix / consumables

Printing	Pronto	Enduro3E	Rio Pro	Prima 4
Print technology	Dye sublimation/rewritable	Dye sublimation/rewritable	Dye sublimation/rewritable	Retransfer
Feed system	Manual	Manual/automatic	Manual/automatic	Automatic
Card capacity: standard input hopper / output stacker	–	100/30	100/70	100/100
Extra capacity input hopper (200 cards)	–	–	3652-0122	–
Extra capacity output stacker (130 cards)	–	–	3652-0124	–
Single-sided printer	3649-0001	3633-3001	3652-0001	Prima 401
Double-sided printer	–	3633-3021	3652-0021	Prima 402
Upgrade (single to double-sided)	–	3633-0052	3633-0052	–
Laminator	–	–	–	Prima 451 (Uno) / Prima 452 (Duo)

Encoding / variants				
Magnetic stripe encoding ISO 7811 - tracks 1, 2 & 3	3649-0002 (Pronto Mag)	3633-3002 (Enduro3E Uno Mag) / 3633-3022 (Enduro3E Duo Mag)	3652-0002 (Rio Pro Uno Mag) / 3652-0022 (Rio Pro Duo Mag)	– / Prima 403 (Prima Duo Mag)
Smart card encoding (contact chip, MIFARE®, DESFire® & iClass®)	3649-0003 (Pronto Smart)	3633-3005 (Enduro3E Uno Smart) / 3633-3025 (Enduro3E Duo Smart)	3652-0003 (Rio Pro Uno Smart) / 3652-0023 (Rio Pro Duo Smart)	Prima 406 (Prima Uno Smart) / Prima 415 (Prima Duo Smart)
Other smart card configurations available on request	–	–	🟠	🟠

Connectivity and drivers				
USB connection	🟢	🟢	🟢	🟢
Ethernet connection	–	–	–	🟢
Windows XP, Vista, 7, 8, 10 (32/64bit) Windows server 2003 R2 SP2, 2008, 2012 and Mac OS X 10.9.0 upwards	🟢	🟢	🟢	🟢

Warranty				
2 years limited	🟢	–	–	–
3 years limited	–	–	–	–
3 years UltraCoverPlus - (with hot-swap loaner)	–	–	🟢	🟢
Printhead guarantee	–	–	3 years	Lifetime

Visual security				
HoloKote watermark - standard design	x4	x4	x5	–
HoloKote watermark - custom design	–	–	🟠	–
UV film	–	–	–	–
HoloPatch cards	🟠	🟠	🟠	–
Standard overlaminate - patch and continuous	–	–	–	🟠
Custom overlaminate - patch and continuous	–	–	–	🟠

Print speed				
Colour	35 seconds per card	>100 cards per hour	>150 cards per hour	>100 cards per hour
Monochrome	7 seconds per card	>500 cards per hour	>500 cards per hour	

Card thickness				
mm	0.51 to 1.02	0.51 to 1.02	0.51 to 1.02	0.25 to 1.00
mil	20 to 40	20 to 40	20 to 40	10 to 40

Dimensions				
Width x height x depth : mm	215 x 233 x 270	206 x 233 x 453	220 x 250 x 470	343 x 320 x 330
Width x height x depth : inch	8.4 x 9.1 x 10.6	8.1 x 9.2 x 17.8	8.6 x 9.8 x 18.5	13.5 x 12.6 x 13
Weight kg	4.4	5.5	4.9	15.5
Weight lb	9.7	12	10.8	34

Maintenance				
Cleaning kit	CK1	3633-0053	3633-0053	E9887

🟢 = Standard 🟠 = Option

Pronto, Enduro3E and Rio Pro printer dye films	Capacity	Product code
Colour dye film with overcoat panel (YMCKO)	100	MA100YMCKO
Colour dye film with overcoat panel (YMCKO)	300	MA300YMCKO
Colour dye film with black panel on reverse (YMCKOK)	250	MA250YMCKOK
Black resin dye film with overcoat panel (KO)	600	MA600KO
Monochrome resin dye film - Black	1000	MA1000K-Black
Monochrome resin dye film - White	1000	MA1000K-White
Monochrome resin dye film - Silver	1000	MA1000K-Silver
Monochrome resin dye film - Gold	1000	MA1000K-Gold
Monochrome resin dye film - Blue	1000	MA1000K-Blue
Monochrome resin dye film - Red	1000	MA1000K-Red
Monochrome resin dye film - Green	1000	MA1000K-Green

Prima 4 printer films	Product code	Details	Capacity
Prima 4 film sets	Prima 431	YMCK colour dye film and retransfer film sets (x5 sets)	1000 images per set
	Prima 431/S	YMCK colour dye film and retransfer film set (x1 set)	1000 images
Prima 4 dye film	Prima 433	YMCKK colour dye film with black panel on reverse	750 images
	Prima 434	YMCK-UV colour dye film with UV panel	750 images
	Prima 435	YMCKO-PO dye film with peel-off panel	750 images
Prima 4 retransfer film	Prima 436	Retransfer film	1000 images
Prima 4 patch laminate film	Prima 462	Clear patch laminate 0.6mil	600 patches
	Prima 463	Clear patch laminate 0.6mil with chip cutout	600 patches
	Prima 464	Clear patch laminate 1.0mil	600 patches
	Prima 465	Clear patch laminate 1.0mil with chip cutout	600 patches
Prima 4 overlay film	Prima 461	OVD 'snowflake' design film	1000 overlays
	Prima 466	Clear OVD film	1000 overlays
Prima 4 custom overlay/patch	Prima 468	Set up charge for custom overlay film/patch laminate	Contact us
	Prima 467-patch	Custom design holographic patch 0.6mil	600 patches
	Prima 467-overlay	Custom design holographic overlay	1000 overlays

ORIGINAL MAGICARD

Important: Printer warranty is subject to the observance of specific conditions of use and maintenance, including printer registration and the use of certified 'Original Magicard' dye films.

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