Trusted, secure ID issuance

MAGICARD®

360°
TECHNOLOGIES

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MADE IN BRITAIN

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

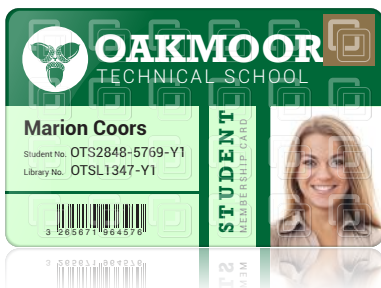# HoloKote® - inbuilt visual security

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

HoloKote, patented by Magicard, is a secure watermark that is frosted into the clear protective overcoat during 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.

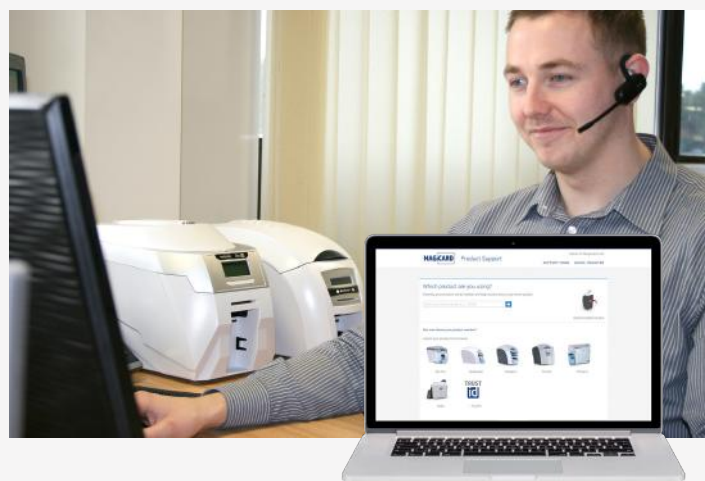## Your logo as a customised **security** watermark

With the Magicard Rio Pro 360, the HoloKote watermark can be customised to an organisation's logo, or some other unique security design. LYNK now enables the secure online delivery of up to ten bespoke HoloKote watermarks to the printer through the driver interface. This 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 Magicard's well established print engine is backed by some of the best warranty terms in the industry. Both the Rio Pro 360 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 a Certified Magicard Support Hub 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

SPEED
1 / 35s

CAPACITY
Hand-fed

WARRANTY
2 YEAR

SECURITY
STANDARD HOLOKOTE WATERMARK

OS
Windows OS X

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, 2016. Mac OS X 10.9.0 upwards. Linux with CUPS support.
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

SPEED
100 / 1HR

CAPACITY
100 in 30 out

WARRANTY
3 YEAR

SECURITY
STANDARD HOLOKOTE WATERMARK

OS
Windows OS X

Robust, durable and reliable, the Enduro3E is perfect for schools, colleges and medium sized businesses that print up to 10,000 cards per year. This established ID card printing platform 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.
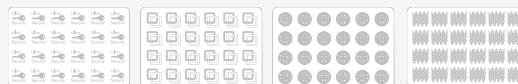
Printer

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, 2016. Mac OS X 10.9.0 upwards. Linux with CUPS support.
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

SECURITY LEVEL 🔒🔒🔒🔒
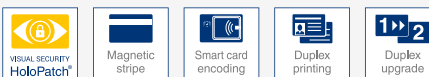
The industry standard has advanced

Magicard has raised the bar. The Rio Pro 360 is everything users love about the original Rio Pro but with faster print speed, increased capacity and improved print quality. The 360 also has the all new 'LYNK' onboard intelligence – for identity with an IQ.

The 360 is Magicard's fastest printer to date. From the moment you hit print, the 360 instantly gets to work. Full colour cards with a secure, customisable HoloKote® watermark take just 18 seconds click-to-card.

SPEED
200 1HR

CAPACITY
200 in 70 out

WARRANTY
3 UCP

SECURITY
x10 CUSTOM HOLOKOTE WATERMARK

OS
Windows OS X

LYNK

This is a printer with intelligence. The 360 is the first desktop ID card printer with an embedded Linux-based CPU. This enables seamless communication and the secure processing of ID data – just imagine it's got a brain onboard.

LYNK recognises High Speed USB 2.0 and 10/100 Ethernet and can easily be integrated with most third-party applications locally or in the cloud. WiFi connectivity 802.11 b/g/n will soon be available.
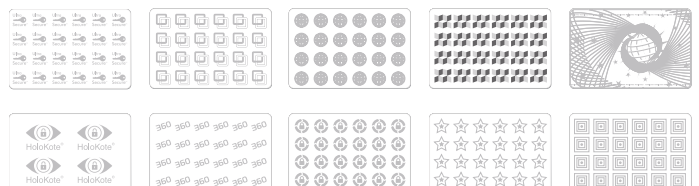
Printer

Print technology	300 dpi dye sublimation/rewritable.
Card thickness	0.51mm to 1.02mm (20 mil to 40 mil).
Printer interface	High Speed USB 2.0, USB 3.0 compatible - Type B, 10/100 Ethernet. 2x internal USB 2.0 (one host) - Type A.
Drivers/software	Windows XP, Vista, 7, 8, 10 (32 and 64bit) Windows server 2003 R2 SP2, 2008, 2012, 2016. Mac OS X 10.9.0 upwards. Linux with CUPS support.
Dimensions	W 220mm x H 250mm x D 470mm (W 8.6" x H 9.8" x D 18.5").
Weight	4.7 kg/10.4 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 (10 standard designs).

Customised watermark — Custom HoloKote® - Grid or full card pattern. Up to ten custom designs can be added through the driver interface using the online HoloKote tool.

Features

Standard

VISUAL SECURITY HoloKote®	High speed print	Optimised colour profiles	200 Extra large hoppers	Encryption ready	Edge to edge	Rewritable	Ethernet

Optional

CUSTOM HoloKote®	VISUAL SECURITY HoloPatch®	Magnetic stripe	Smart card encoding	Duplex printing	Duplex upgrade	Online upgrades	WiFi ready

Prima 4

SECURITY LEVEL 🔒🔒🔒

Photo quality printing and lamination in a desktop package

SPEED	CAPACITY	WARRANTY	SECURITY	OS
100 / 1HR	100 in 100 out	3 UCP	OVER LAMINATES/ UV FILM	Windows

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.

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.

UV

LOGO

Available with YMCK-UV film only

Standard laminates

Blank full card | Holographic snowflake
Blank patch | Patch with cutout

Customised laminates

LOGO — Holographic full card
LOGO — Holographic patch

Features

Standard

RT Photo quality printing	Over the edge	Ethernet	Printer lock

Optional

Magnetic stripe	Smart card encoding	Duplex printing	600 dpi	UV Ultra Violet	Standard over laminate	LOGO Custom over laminate

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Rio PRO 360™ Secure

SECURITY LEVEL 🔒🔒🔒🔒🔒

Secure your localised credential issuance

The Rio Pro 360 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 360™ Xtended

Xtend your card printing capability

An adaptation of the Rio Pro 360 print platform, with an extra large hopper and stacker, the Rio Pro 360 Xtended prints oversized cards up to 140mm (5.51") long for ticketing, accreditation and events.

Printer specification matrix / consumables

MAGiCARD®

Printing	Pronto	Enduro3E	Rio Pro 360	Prima 4
Print technology	Dye sublimation/rewritable	Dye sublimation/rewritable	Dye sublimation/rewritable	Retransfer
Feed system	Manual	Manual/automatic	Manual/automatic	Automatic
Card capacity: input/output	–	100/30	100/70 or 200/70	100/100
- Single-sided	3649-0001	3633-3001	3652-3001	Prima 401
- Double-sided	–	3633-3021	3652-3021	Prima 402
Upgrade (single to double-sided)	–	3633-0052	3633-3052	–
Laminator	–	–	–	Prima 451 (Uno) / Prima 452 (Duo)

Encoding / variants

Magnetic stripe ISO 7811 - tracks 1, 2 & 3				
- Single-sided	3649-0002	3633-3002	3652-3002	–
- Double-sided	–	3633-3022	3652-3022	Prima 403
Smart card (contact chip, MIFARE®, DESFire®, iClass®)				
- Single-sided	3649-0003	3633-3005	3652-3003	Prima 406
- Double-sided	–	3633-3025	3652-3023	Prima 415
Other smart card configurations available	–	–	😊	😊

Connectivity and drivers

USB connection	🙂	🙂	High Speed 2.0	🙂
Ethernet connection	–	🙂	🙂	🙂
Windows XP, Vista, 7, 8, 10 (32/64bit) Windows server 2003 R2 SP2, 2008, 2012 and 2016	🙂	🙂	🙂	🙂 (Windows 2016 not supported)
Mac OS X 10.9.0 upwards. Linux with CUPS support	🙂	🙂	🙂	–

Warranty

Limited	2 years	3 years	–	–
3 years UltraCoverPlus* - (hot-swap loaner & printhead cover)	–	–	🙂	🙂

Visual security

HoloKote® watermark - standard design	x4	x4	x10	–
HoloKote watermark - custom design	–	–	Up to 10 custom designs	–
UV film	–	–	–	😊
HoloPatch® cards	😊	😊	😊	–
Standard/custom overlaminate - patch and continuous	–	–	–	😊

Print speed

Colour	35 seconds per card	>100 cards per hour	>200 cards per hour	>100 cards per hour
Monochrome	7 seconds per card	>500 cards per hour	>750 cards per hour	

Card thickness

mm	0.51 to 1.02	0.51 to 1.02	0.51 to 1.02	0.25 to 1.02
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/lb	4.4/9.7	5.5/12	4.7/10.4	15.5/34

Maintenance

Cleaning kit	CK1	3633-0053	3633-0053	E9887

🙂 = Standard   😊 = Option

Pronto, Enduro3E and Rio Pro 360 films	Capacity	Product code
Colour film with overcoat panel (YMCKO)	100	MA100YMCKO
Colour film with overcoat panel (YMCKO)	300	MA300YMCKO
Colour film with black panel on reverse (YMCKOK)	250	MA250YMCKOK
Black resin film with overcoat panel (KO)	600	MA600KO
Monochrome resin film - Black	1000	MA1000K-Black
Monochrome resin film - White	1000	MA1000K-White
Monochrome resin film - Blue	1000	MA1000K-Blue
Monochrome resin film - Red	1000	MA1000K-Red
Monochrome resin film - Green	1000	MA1000K-Green
Monochrome resin film - Silver	1000	MA1000K-Silver
Monochrome resin film - Gold	1000	MA1000K-Gold

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.

Prima 4 films	Capacity	Details	Product code
Film sets	1000 images per set	YMCK film/retransfer film sets (x5)	Prima 431
	1000 images	YMCK film/retransfer film set (x1)	Prima 431/S
Dye film	750 images	YMCKK film, black panel on reverse	Prima 433
	750 images	YMCK-UV film with UV panel	Prima 434
Retransfer film	1000 images	Retransfer film	Prima 436
Patch laminate film	600 patches	Clear patch laminate 0.6mil	Prima 462
	600 patches	Clear patch laminate 0.6mil chip cutout	Prima 463
	600 patches	Clear patch laminate 1.0mil	Prima 464
	600 patches	Clear patch laminate 1.0mil chip cutout	Prima 465
Overlay film	1000 overlays	OVD 'snowflake' design film	Prima 461
	1000 overlays	Clear OVD film	Prima 466
Custom laminates	1000/600	Custom overlay film/0.6mil patch laminate	Contact us

Global offices

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