



Secure ID card printers



Pronto™



 Printing speed Prints 1 full colour card per 35 seconds	 Card capacities Hand-fed	 Warranty 2 year limited depot	 Visual security HoloKote® watermark	Windows OS X Operating systems Windows and Mac OS compatible
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ID card printing made easy

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.

				STANDARD
		OPTION		

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, 8.1, 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

Use driver settings to activate HoloKote watermark

Security watermark	Standard HoloKote (4 standard designs).
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.

Part numbers

Pronto	3649-0001
Pronto Mag	3649-0002
Pronto Smart	3649-0003

Enduro3E



 Printing speed >100 full colour cards per hour	 Card capacities 100 card input 30 card output	 Warranty 3 year limited depot	 Visual security HoloKote® watermark	Windows OS X Operating systems Windows and Mac OS compatible
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The World's most reliable card printer

Robust, durable and reliable, the Enduro 3E 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.

						STANDARD
				OPTION		

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 standard.
Drivers/software	Windows XP, Vista, 7, 8, 8.1, 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

Use driver settings to activate HoloKote watermark

Security watermark	Standard HoloKote (4 standard designs).
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.

Part numbers

Single-sided		Double-sided	
Enduro3E Uno	3633-3001	Enduro3E Duo	3633-3021
Enduro3E Uno Mag	3633-3002	Enduro3E Duo Mag	3633-3022
Enduro3E Uno Smart	3633-3005	Enduro3E Duo Smart	3633-3025



125
1HR
Printing speed
>125 full colour cards
per hour

200/200
Card capacities
200 card input
200 card output

3 YEAR
UCP
Warranty
3 year UltraCoverPlus with hot swap
printer and lifetime printhead cover

CUSTOM
LOGO
Visual security
Standard or Custom HoloKote®
watermark with UV effect

Windows | OS X
Operating systems
Windows and Mac OS
compatible

Photo-quality printing with a smart interface and in-line visual security

An intuitive touch screen, with print preview and supplies indicators, provides an easy-to-use interface to Magicard's most advanced and durable print engine, powered by a high grade processing unit and boasting an impressive array of features.

Helix is the World's first retransfer printer with built-in visual security, with the ability to apply a secure watermark to each card during the retransfer process. This feature also exploits the wavelengths and lens effect of the film to fluoresce under UV lighting conditions.

High capacity consumables (1000 prints) and hoppers (200 cards), combined with a range of card encoding options to write secure electronic data to the card in-line, make the Magicard Helix ideal for high volume localised or even centralised issuance of secure smart cards, including government IDs and payment cards.

					STANDARD
					OPTION

Printer

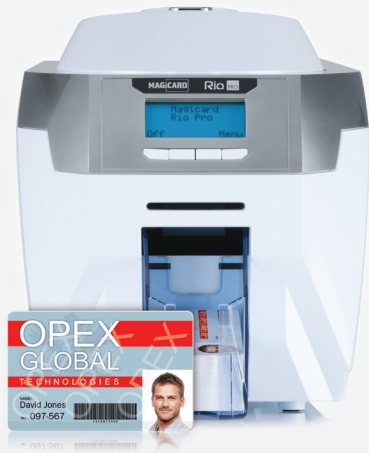
Print technology	300 dpi retransfer.
Card thickness	0.76 mm to 1.25 mm (30 mil to 49 mil).
Printer interface	USB 2.0 (high speed). Ethernet fitted as standard.
Drivers/software	Windows XP, Vista, 7, 8.1, 10 (32 and 64bit) Windows server 2003 R2 SP2, 2008, 2012 and Mac OS X 10.9.0 upwards.
Dimensions	W 455mm x H 420mm x D 330mm (W 17.9" x H 16.5" x D 13").
Weight	14.4 kg/31.7 lb.
Operating environment	Sheltered office environment 10°C - 30°C (50°F - 85°F).

Security

Printer security	Standard: Kensington lock. Option: User log-on, secure film cassettes, secure blank media feeder, secure card reject hopper, ribbon erase facility.
Security watermark with UV effect	Standard HoloKote. (10 standard designs) - for use with secure dye film only.
Customised watermark with UV effect	Custom HoloKote. - ordered separately and for use with secure dye film only.
Magnetic stripe encoding	HiCo encoder ISO std. 7811
Smart card encoding	Contact chip, MIFARE, DESFire, iClass options. Others available.

Part numbers

Single-sided		Double-sided	
Helix Uno	3663-001	Helix Duo	3663-0021
Helix Uno Mag	3663-002	Helix Duo Mag	3663-0022
Helix Uno Smart	3663-003	Helix Duo Smart	3663-0023
Helix Uno Smart Mag	3663-004	Helix Duo Smart Mag	3663-0024



<p>150 1HR Printing speed >150 full colour cards per hour</p>	<p>100/70 Card capacities 100 card input 70 card output</p>	<p>3 YEAR UCP Warranty 3 year UltraCoverPlus with hot swap printer</p>	<p>CUSTOM LOGO Visual security Standard or Custom HoloKote® watermark</p>	<p>Windows OS X Operating systems Windows and Mac OS compatible</p>
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The industry standard for secure ID card printing

The Rio Pro sets the standard for secure ID card printing. High capacity card hoppers and a fast print engine can produce more than 1,200 cards per day. Its Custom HoloKote visual security system protects cards from fraud while an SDK, Ethernet connectivity and a suite of encoding options deliver flexibility, security and reliability to your desktop.

						STANDARD

Printer

Print technology	300 dpi dye sublimation/rewritable.
Card thickness	0.51mm to 1.27mm (20 mil to 50 mil).
Printer interface	USB rev. 1.1/USB 2.0 compatible. Ethernet fitted as standard.
Drivers/software	Windows 2000 Professional (SP4), XP, Windows Vista, 7 and 8 (32/64 bit), Windows Server 2003 R2 SP2, Server 2008 (32/64 bit).
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

Use driver settings to activate HoloKote watermark

Security watermark	Standard HoloKote (4 standard designs) HoloKote Flex™ (1 standard design).
Customised watermark	Custom HoloKote - ordered separately.
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.

Part numbers

Single-sided		Double-sided	
Rio Pro Uno	3652-0001	Rio Pro Duo	3652-0021
Rio Pro Uno Mag	3652-0002	Rio Pro Duo Mag	3652-0022
Rio Pro Uno Smart	3652-0003	Rio Pro Duo Smart	3652-0023

Xtend your card printing capability



An adaptation of the Rio Pro print platform, and with an over-sized hopper and stacker, the Rio Pro Xtended prints oversized cards up to 140mm long for ticketing, accreditation and product/food labelling.

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.

Retransfer printing with in-line lamination



FIPS-201 certified for the personalisation of US Government credentials, the Prima 4 provides a reliable, robust solution for instant issuance and lamination in a compact package. Optional UV printing, holographic lamination and multiple encoding options add an additional layer of security and durability.

MagiCard printer specification matrix

	Pronto	Enduro3E	Rio PRO	HELIX
Printing				
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	200/200
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	3663-0001
Double-sided printer	-	3633-3021	3652-0021	3663-0021
Upgrade (single to double-sided)	-	3633-0052	3633-0052	E9905
Laminator	-	-	-	Available 2016
Encoding / variants				
Magnetic stripe encoding ISO 7811 - tracks 1, 2 & 3	3649-0002 (Pronto Mag)	3633-9002 (Enduro3E Uno Mag)	3652-0002 (Rio Pro Uno Mag)	3663-0002 (Helix Uno Mag)
		3633-9022 (Enduro3E Duo Mag)	3652-0022 (Rio Pro Duo Mag)	3663-0022 (Helix Duo Mag)
Smart card encoding (contact chip, MIFARE, DESFire & iClass)	3649-0003 (Pronto Smart)	3633-9005 (Enduro3E Uno Smart)	3652-0003 (Rio Pro Uno Smart)	3663-0003 (Helix Uno Smart)
		3633-9025 (Enduro3E Duo Smart)	3652-0023 (Rio Pro Duo Smart)	3663-0023 (Helix Duo Smart)
Other smart card configurations available on request	-	-	●	●
Connectivity and drivers				
USB connection	●	●	●	●
Ethernet connection	-	●	●	●
Windows XP, Vista, 7, 8, 8.1, 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 - (FREE loaner service)	-	-	●	●
Printhead guarantee	-	-	3 years	Lifetime
Visual security				
HoloKote watermark - standard design	x4	x4	x5	x10
HoloKote watermark - custom design	-	-	●	●
UV film	-	-	-	●
HoloPatch cards	●	●	●	-
Print speed				
Colour	35 seconds per card	>100 cards per hour	>150 cards per hour	>125 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 1.27	0.76 to 1.25
mil	20 to 40	20 to 40	20 to 50	30 to 49
Dimensions				
Width x height x depth : mm	215 x 233 x 270	206 x 233 x 453	220 x 250 x 470	455 x 420 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	16.5 x 17.9 x 13
Weight kg	4.4	5.5	4.9	14.4
Weight lb	9.7	12	10.8	31.7
Maintenance				
Cleaning kit	CK1	3633-0053	3633-0053	E9887

● = Standard ● = Option

Trusted visual security

HoloKote® is a patented technology that frosts a secure watermark onto the card's surface during printing. Four standard designs are selectable from the printer driver on the Pronto and Enduro 3E. The MagiCard Rio Pro series and Helix also offer the option of customising this watermark to your organisation's unique logo or security design.

Standard HoloKote watermark

Available on MagiCard:

Pronto
Enduro3E
Rio Pro series
Helix



Custom HoloKote watermark

Available option on MagiCard:

Rio Pro series
Helix

Direct-to-card printer dye film



Direct-to-card films	Print capacity	Product code	Pronto	Enduro3E	Rio Pro
Colour dye film with overcoat panel (YMCKO)	100	MA100YMCKO	●	●	●
Colour dye film with overcoat panel (YMCKO)	300	MA300YMCKO	●	●	●
Double-sided dye film, prints colour on one side, black 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	●	●	●

Helix consumables

Helix film sets	Print capacity	Product code
Colour dye film and retransfer film set (1 YMCK and 1 RT film)	1000 images	SET-HX1000
Colour dye film with secure HoloKote panel and retransfer film set (4 YMCKS and 3 RT films)	3000 images	SET-HX3000S
Black monochrome dye film and retransfer film set (1 black and 3 RT films)	3000 images	SET-HX3000K

Helix dye films	Print capacity	Product code
Colour dye film (YMCK)	1000 images	HX1000YMCK
Colour dye film with secure HoloKote panel (YMCKS)	750 images	HX750YMCKS
Double-sided dye film, prints colour on one side and black on reverse (YMCKK)	750 images	HX750YMCKK
Black monochrome dye film (K)	3000 images	HX3000K-BLACK
Colour dye film with UV panel (YMCKUv)	750 images	HX750YMCKU

Helix retransfer films	Print capacity	Product code
Retransfer film	1000 images	HX1000RT
Extra durable retransfer film	1000 images	HX1000RTD



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