



# Card Printer Solutions Price List

EMEA - €

Effective April 1st 2008

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## How To Reach Us

*EMEA Territory: Europe, Middle East, Africa, Indian Subcontinent*

### EMEA Headquarters:

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Card Printer Solutions  
Zebra House  
The Valley Centre  
Gordon Road  
HIGH WYCOMBE  
Buckinghamshire  
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United Kingdom

Phone: +44 (0)870 241 1527  
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Email: [eurosales@zebra.com](mailto:eurosales@zebra.com)

Hours of Operation:  
8:30am to 6:00pm (GMT)

### Technical Support:

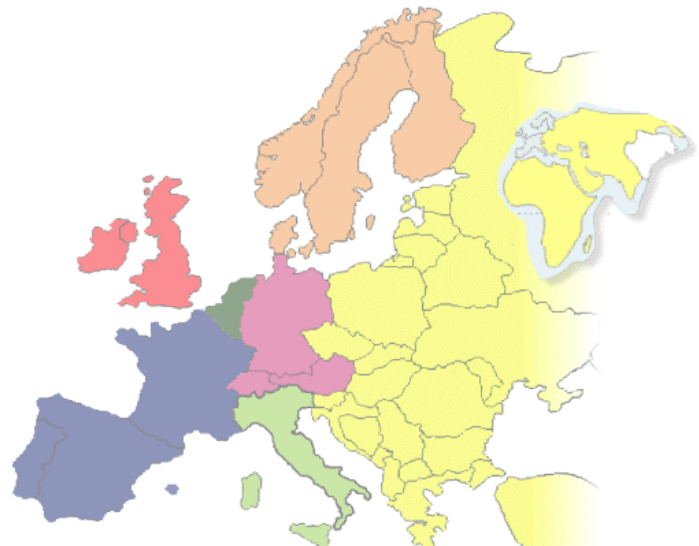
Phone: +44 (0)870 241 1527  
Fax: +44 (0)870 241 0765  
Email: [cardts@zebra.com](mailto:cardts@zebra.com)

Hours of Operation:  
8:30am to 5:30pm (GMT)

### RMA Department:

Phone: +44 (0)1772 693 069  
Fax: +44 (0)1772 705 680  
Email: [repairupdate@zebra.com](mailto:repairupdate@zebra.com)

Hours of Operation:  
8:00am to 5:30pm (GMT)



## General Order Information

For all product requests, the customer must issue to Zebra Technologies Europe Ltd/Card Printer Solutions (via fax, mail or e-mail) a purchase order. All purchase orders will state the Zebra part number, brief product description, quantity required, price per unit, requested delivery schedule, payment terms, and bill & ship to information. Our customer service department will fax order acknowledgments and/or pro forma invoices within 48 hours (this may take longer if the order information is incomplete). For order status and/or shipping inquiries, please contact your customer service representative.

### *Terms:*

#### Delivery

- 1) The standard product lead-time is two (2) working days after receipt of your purchase order for stocked items. Non stocked items carry a standard product lead-time of three (3) weeks.
- 2) Delivery may be made from multiple facilities. Insurance will be included and billed to the customer, unless otherwise stated. Zebra will ship by ground transportation unless an alternative shipping method is specified on the purchase order. Title and risk of loss will pass on delivery to the carrier. Zebra will not be liable for shipment delays of any kind beyond its control.
- 3) Drop shipments may be made in certain circumstances. Please discuss with your Internal Sales Representative.

#### Pricing

- 1) Zebra reserves the right to change pricing at any time without prior notice. This price list supercedes all previous price lists.

#### Payment

- 1) Payment must be made in advance by one of the following methods: Bank transfer or an approved letter of credit, unless agreed credit terms have been established by customer and Zebra.
- 2) Zebra's standard terms are net 30 days. The reseller can obtain net 30 credit terms after Zebra's credit department has approved the reseller's credit application. Allow up to two (2) weeks from Zebra's receipt of the credit application for credit approval. Zebra reserves the right to set maximum credit limit of reseller's credit line, and Zebra reserves the right to discontinue resellers net 30 terms at any time.

## **Basic End User Warranty Terms**

All Zebra Card Printers are sold with warranties. Please refer to the User's Guide for warranty information specific to each product. Here is some general information:

### **Printers**

All Zebra Card Printers are warranted against defects in material or workmanship for a minimum of twelve (12) months from date of purchase.\*\*

Proof of purchase or shipment date is required to validate the warranty period. The warranty becomes void if the equipment is modified, improperly installed or used, damaged by accident or neglect, or if any parts are improperly installed or replaced by the user.

Note: Products returned must be packaged in the original or comparable packing and shipping container. In the event equipment is not so packaged, or if shipping damage is evident, it will not be accepted for service under warranty. Transportation charges for the return of items to the customer that have been serviced under warranty will be paid by Zebra. Transportation charges for the return of items to the customer that are not covered by the warranty are to be paid by the customer.

\*\* ZCPS EMEA currently offers a 1 yr extended warranty free of charge on Value & Performance line printers. This makes the overall warranty in the EMEA region two years for these printers. The terms detailed here apply to the extended year of warranty.

### **Printheads**

Since printhead wear is part of normal operation, the original printhead is covered by the same warranty period as the printer.

To qualify for this warranty, the printhead must be returned to Zebra. Customers are not required to purchase Zebra supplies (media and/or ribbons) for a warranty qualification however, if it is determined that the use of other manufacturer supplies has caused any defect in the printhead for which a warranty claim is being made, the user is responsible for Zebra's labour and material charges required to repair the defect. The warranty becomes void if the printhead is physically worn or damaged; also if it is determined that failure to follow the preventative maintenance schedule listed in the User's Guide has caused defect in the thermal printhead for which a warranty claim is made.

### **Supplies**

Supplies are warranted to be free from defect in material and workmanship for a period of six (6) months for media and twelve (12) months for ribbon from the date of shipment from Zebra.



This is provided the user has complied with storage guidelines, handling, and usage of the supplies in Zebra printers.

Zebra's sole obligation under these warranties is to furnish parts and labour for the repair or possible replacement of products found to be defective in material or workmanship during the warranty period. Zebra may in its discretion issue a credit for any such defective products in such amount as it deems reasonable.

## Spare Parts

All parts, including printheads, maintenance kits, options kits and accessories are warranted to be free of defects in material and workmanship for 90 days (except where otherwise denoted) from date of purchase. This warranty becomes void if the item is modified, improperly installed or used, or damaged by accident or neglect.

## Repair Services

Zebra repairs are warranted against defects in material and workmanship for 90 days from the date of repair by Zebra.

## Warranty Exclusions and Conditions Statement:

The warranties provided above are the only warranties applicable. No other warranties, expressed or implied, are given. Zebra does not make any IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE in connection with its sale of products or services. While Zebra's desire is to be responsive to specific needs and questions, Zebra does not assume responsibility for any specific application to which the products are applied including, but not limited to, compatibility with other equipment. All statements, technical information or recommendations relating to Zebra products are based upon tests believed to be reliable yet do not constitute a guarantee or warranty.

Zebra's maximum liability for warranty claims is limited to the invoice price of the product claimed defective. Zebra does not assume responsibility for delays or replacement or repair of products. Zebra shall not under any circumstances whatsoever be liable to any party for loss of profits, lost data, diminution of good will, or any other special or consequential damages whatsoever with respect to any claim made under agreement with Zebra. Specifically for software, Zebra is not liable for any incidental or consequential damages caused by abuse or misapplication of the software or by its use in violation of the US copyright law or international treaty.

No salesperson, representative or agent of Zebra is authorised to make any guarantee, warranty, or representation that contradicts the foregoing. Any waiver, alteration, addition or modification to the foregoing warranties must be in writing and signed by an executive officer of Zebra to be valid.



## Return Policy

- 1) Non-media items may be returned within the first thirty (30) days after receipt, subject to a restocking fee of 15%.
- 2) Stock media items may be returned within the first thirty (30) days after receipt, subject to a restocking fee of 15%. **Custom media and custom configured printer items are non-returnable & non-refundable.**
- 3) All returns must be authorised by obtaining an RMA number from the RMA Dept (technical failures), or a Returns number from your Internal Sales Representative (shipment problems/product returns). Return of units will not be accepted unless the RMA/Returns number is clearly marked on the outside of the box. **Any product received without an RMA number will be returned to sender.**



## EMEA Price List

### P100i Colour Card Printer (Non Upgradeable Version)

Zebra's P100i Colour Card Printer makes personalised cards fast, easy, and affordable. This budget-friendly printer produces single-sided full colour or monochrome cards. In moments, this single-feed card printer can print and/or encode unique cards for a variety of markets.



Printer Model P100i		Single Side Single Feed Colour Card Printer	
Part Number	CONFIGURATION		Suggested List Price (€)
	Dual Co Mag Encoder	USB Interface Only	
P100i-0000A-ID0		✓	1,345.00
P100i-0M10A-ID0	✓	✓	1,715.00
Compatible TrueColours Ribbon Cartridge (all cartridges include a cleaning roller)			
Part Number	Description	No. Of Prints Per Roll	Suggested List Price (€)
800015-901	Black Mono Cartridge	1000	22.00
800015-902	Red Mono Cartridge	1000	29.00
800015-903	Green Mono Cartridge	1000	29.00
800015-904	Blue Mono Cartridge	1000	29.00
800015-906	Gold Mono Cartridge	1000	70.00
800015-907	Silver Mono Cartridge	1000	70.00
800015-909	White Mono Cartridge	850	33.00
800015-940	YMCKO Cartridge	200	65.00
Accessories			
Part Number	Description	Suggested List Price (€)	
105912-912	P1XXi cleaning card kit (4 print engine & 4 feeder cards)	22.00	
105912-301	Adhesive cleaning rollers P100i (kit of 5)	24.00	

\* Magnetic Encoders are Dual Coercivity, Tracks 1, 2 & 3 (HiCo, Stripe Down is the factory default)

\* Printers are shipped with US & EU power cords, Windows Drivers & multi language User Documentation CD Rom

#### Advantages of the P100i

- Space saving, compact design
- Single-sided, colour or monochrome printing
- CardSense™ single-card feed for improved card positioning
- Load-N-Go™ easy to use, drop-in ribbon cartridge
- Easy-to-read LCD display shows status and diagnostics
- Easy to access, built-in covered storage for 100-cards + cleaning roller
- Available Options
  - Magnetic encoder (30 mil cards only), 3 track HiCo/LoCo
- Uses the same ribbons as the Zebra P110i
- Windows® drivers for 2000, XP, Server 2003 and Vista compatible
- 2 Year unlimited passes printhead Warranty

**P100i Colour Card Printer**  
(Upgradeable Version)



Zebra's NEW P100i Colour Card Printer makes personalised cards fast, easy, and affordable. This budget-friendly printer produces single-sided full colour or monochrome cards and offers a variety of optional features not typically available in a product in this class, such as Ethernet connectivity and Smart Card encoding. In moments, this single-feed card printer can print and/or encode unique cards for a variety of markets.

Printer Model P100i		Single Side Single Feed Colour Card Printer				Suggested List Price (€)
Part Number	CONFIGURATION					
	Contact Encoder	Mifare Contactless	Dual Co Mag Encoder	USB Interface Only	USB / Ethernet Interface	
P100i-000UA-ID0				✓		1,420.00
P100i-000UC-ID0					✓	1,565.00
P100i-B00UA-ID0	✓			✓		1,935.00
P100i-B00UC-ID0	✓				✓	2,155.00
P100i-D00UA-ID0	✓	✓		✓		2,440.00
P100i-D00UC-ID0	✓	✓			✓	2,660.00
P100i-H00UA-ID0		✓		✓		1,935.00
P100i-H00UC-ID0		✓			✓	2,390.00
P100i-0M1UA-ID0			✓	✓		1,790.00
P100i-0M1UC-ID0			✓		✓	1,935.00
P100i-BM1UA-ID0	✓		✓	✓		2,305.00
P100i-BM1UC-ID0	✓		✓		✓	2,525.00
P100i-DM1UA-ID0	✓	✓	✓	✓		2,810.00
P100i-DM1UC-ID0	✓	✓	✓		✓	3,030.00
P100i-HM1UA-ID0		✓	✓	✓		2,305.00
P100i-HM1UC-ID0		✓	✓		✓	2,525.00

\* Magnetic Encoders are Dual Coercivity, Tracks 1, 2 & 3 (HiCo, Stripe Down is the factory default)  
 \* Printers are shipped with EU power cord, Windows Drivers & multi language User Documentation CD Rom

**Advantages of the P100i**

- Space saving, compact design
- Single-sided, colour or monochrome printing
- CardSense™ single-card feed for improved card positioning
- Load-N-Go™ easy to use, drop-in ribbon cartridge
- Easy-to-read LCD display shows status and diagnostics
- Easy to access, built-in covered storage for 100-cards + cleaning roller
- Available Options
  - Built-in 10/100 Ethernet connectivity (factory installation only)
  - Magnetic encoder (30 mil cards only), 3 track HiCo/LoCo
  - Smart Card Contact Encoder: ISO 7816 (EMV compatible)
  - Smart Card Contactless Encoder: MIFARE®
- Uses the same ribbons as the Zebra P110i
- Windows® drivers for 2000, XP, Server 2003 and Vista compatible
- 2 Year unlimited passes printhead warranty

**P100i Colour Card Printer – Media**


<b>Compatible TrueColours Ribbon Cartridge (all cartridges include a cleaning roller)</b>			
<b>Part Number</b>	<b>Description</b>	<b>No. Of Prints Per Roll</b>	<b>Suggested List Price (€)</b>
800015-901	Black Mono Cartridge	1000	22.00
800015-902	Red Mono Cartridge	1000	29.00
800015-903	Green Mono Cartridge	1000	29.00
800015-904	Blue Mono Cartridge	1000	29.00
800015-906	Gold Mono Cartridge	1000	70.00
800015-907	Silver Mono Cartridge	1000	70.00
800015-909	White Mono Cartridge	850	33.00
800015-940	YMCKO Cartridge	200	65.00
<b>Accessories</b>			
<b>Part Number</b>	<b>Description</b>		<b>Suggested List Price (€)</b>
105912-912	P1XXi cleaning card kit (4 print engine & 4 feeder cards)		22.00
105912-301	Adhesive cleaning rollers P100i (kit of 5)		24.00

## P110m Monochrome Card Printer

Zebra's affordable P110m monochrome printer is reliable, compact and easy to use. The sleek design is made of rigid, high strength materials. Best of all, the P110m delivers consistent, high quality printing with the trusted dependability you've come to expect from Zebra card printers.



Printer Model P110m		Single Side Monochrome Card Printer		
Part Number	CONFIGURATION			Suggested List Price (€)
	Dual Co Mag Encoder	USB Interface	USB/Ethernet	
P110m-0000A-ID0		✓		1,345.00
P110m-0000C-ID0			✓	1,565.00
P110m-0M10A-ID0	✓	✓		1,715.00
P110m-0M10C-ID0	✓		✓	1,935.00
Compatible TrueColours Ribbon Cartridge (all cartridges include a cleaning roller)				
Part Number	Description	No. Of Prints Per Roll	Suggested List Price (€)	
800015-901	Black Mono Cartridge	1000	22.00	
800015-902	Red Mono Cartridge	1000	29.00	
800015-903	Green Mono Cartridge	1000	29.00	
800015-904	Blue Mono Cartridge	1000	29.00	
800015-906	Gold Mono Cartridge	1000	70.00	
800015-907	Silver Mono Cartridge	1000	70.00	
800015-909	White Mono Cartridge	850	33.00	
Accessories				
Part Number	Description	Suggested List Price (€)		
105862-001	P1XXi CardSense™ single card feed kit	22.00		
105912-912	P1XXi cleaning card kit (4 print engine & 4 feeder cards)	22.00		

\* Magnetic Encoders are Dual Coercivity, Tracks 1, 2 & 3 (HiCo, Stripe Down is the factory default)

\* Printers are shipped with US & EU power cords, Windows Drivers & multi language User Documentation CD Rom

### Advantages of the P110m

- Automatic card-feed (CardSense™ single card-feed optional)
- Load-N-Go™ ribbon cartridge with integrated card-cleaning roller
- User Friendly 16 digit LCD display
- Translucent 100 card feeder
- 8MB memory standard
- Windows® drivers for 2000, XP, Server 2003 and Vista compatible
- Two year unlimited passes printhead warranty

## P110i Colour Card Printer

Zebra's affordable P110i colour printer is reliable, compact and easy to use. The sleek design is made of rigid, high strength materials. Best of all, the P110i delivers consistent, high quality printing with the trusted dependability you've come to expect from Zebra card printers.



Printer Model P110i		Single Side Colour Card Printer		
Part Number	CONFIGURATION			Suggested List Price (€)
	Dual Co Mag Encoder	USB Interface	USB/Ethernet	
P110i-0000A-ID0		✓		1,495.00
P110i-0000C-ID0			✓	1,715.00
P110i-0M10A-ID0	✓	✓		1,865.00
P110i-0M10C-ID0	✓		✓	2,085.00
Compatible TrueColours Ribbon Cartridge (all cartridges include a cleaning roller)				
Part Number	Description	No. Of Prints Per Roll	Suggested List Price (€)	
800015-901	Black Mono Cartridge	1000	22.00	
800015-902	Red Mono Cartridge	1000	29.00	
800015-903	Green Mono Cartridge	1000	29.00	
800015-904	Blue Mono Cartridge	1000	29.00	
800015-906	Gold Mono Cartridge	1000	70.00	
800015-907	Silver Mono Cartridge	1000	70.00	
800015-909	White Mono Cartridge	850	33.00	
800015-940	YMCKO Cartridge	200	65.00	
Accessories				
Part Number	Description	Suggested List Price (€)		
105862-001	P1XXi CardSense™ single card feed kit	22.00		
105912-912	P1XXi cleaning card kit (4 print engine & 4 feeder cards)	22.00		

\* Magnetic Encoders are Dual Coercivity, Tracks 1, 2 & 3 (HiCo, Stripe Down is the factory default)

\* Printers are shipped with US & EU power cords, Windows Drivers & multi language User Documentation CD Rom

### Advantages of the P110i

- Most-advanced single-sided printer
- Automatic card-feed (CardSense™ single card-feed optional)
- Load-N-Go™ ribbon cartridge with integrated card-cleaning roller
- User Friendly 16 digit LCD display
- Translucent 100 card feeder
- 8MB memory standard
- 30 seconds per card single-sided colour printing (YMCKO)
- Windows® drivers for 2000, XP, Server 2003 and Vista compatible
- Two year unlimited passes printhead warranty



## EMEA Price List

### P120i Dual Side Colour Card Printer

Advanced design delivers the worlds first dual-sided, compact card printer at an unprecedented price. The P120i's versatility and affordability make this printer the smart choice for savvy buyers. From IDs to access control cards to gift cards, Zebra's P120i delivers big ideas at a small price.



Printer Model P120i		Dual Side Colour Card Printer		
Part Number	CONFIGURATION			Suggested List Price (€)
	Dual Co Mag Encoder	USB Interface	USB/Ethernet	
P120i-0000A-ID0		✓		2,145.00
P120i-0000C-ID0			✓	2,365.00
P120i-0M10A-ID0	✓	✓		2,515.00
P120i-0M10C-ID0	✓		✓	2,735.00
Compatible TrueColours Ribbon Cartridge (all cartridges include a cleaning roller)				
Part Number	Description	No. Of Prints Per Roll	Suggested List Price (€)	
800015-901	Black Mono Cartridge	1000	22.00	
800015-902	Red Mono Cartridge	1000	29.00	
800015-903	Green Mono Cartridge	1000	29.00	
800015-904	Blue Mono Cartridge	1000	29.00	
800015-906	Gold Mono Cartridge	1000	70.00	
800015-907	Silver Mono Cartridge	1000	70.00	
800015-909	White Mono Cartridge	850	33.00	
800015-940	YMCKO Cartridge	200	65.00	
800015-948	YMCKOK Cartridge	165	73.00	
Accessories				
Part Number	Description	Suggested List Price (€)		
105862-001	P1XXi CardSense™ single card feed kit	22.00		
105912-912	P1XXi cleaning card kit (4 print engine & 4 feeder cards)	22.00		

\* Magnetic Encoders are Dual Coercivity, Tracks 1, 2 & 3 (HiCo, Stripe Down is the factory default)

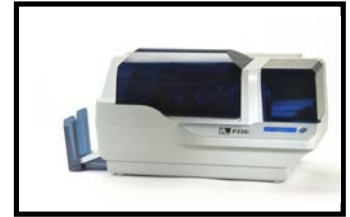
\* Printers are shipped with US & EU power cords, Windows Drivers & multi language User Documentation CD Rom

#### Advantages of the P120i

- Most advanced dual-sided printer
- Compact design based on integrated card feeder and flipper
- Automatic card-feed (CardSense™ single card-feed optional)
- Load-N-Go™ ribbon cartridge with integrated card-cleaning roller
- User Friendly 16 digit LCD display
- Translucent 100 card feeder
- USB standard interface
- 8MB memory standard
- 40 seconds per card dual-sided colour printing (YMCKOK)
- 30 seconds per card single-sided colour printing (YMCKO)
- Windows® drivers for 2000, XP, Server 2003 and Vista compatible
- Two year unlimited passes printhead warranty

### P330m Colour Card Printer

The P330m is a single sided, monochrome card printer with a user friendly LCD display, feeder and print viewing and many other features designed for on demand, instant personalisation of cards.

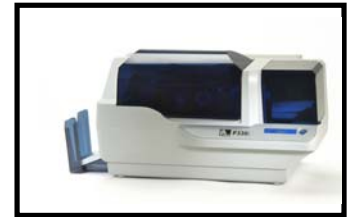


*Basic Specifications:*

Prints a card in 5.2 seconds, single sided, monochrome, 4MB standard memory, belt driven angled feeder (100 30 mil card capacity), USB interface with optional built-in Ethernet and optional 220 card extended feeder.

Printer Model P330m		Single Side Colour Card Printer				
Part Number	CONFIGURATION					
	Contact Encoder	Contact Station	Dual Co Mag Encoder	USB Interface	USB / Ethernet Interface	Suggested List Price (€)
P330m-0000A-ID0				✓		1,845.00
P330m-0000C-ID0					✓	2,065.00
P330m-B000A-ID0	✓			✓		2,435.00
P330m-B000C-ID0	✓				✓	2,655.00
P330m-E000A-ID0		✓		✓		1,990.00
P330m-E000C-ID0		✓			✓	2,210.00
P330m-0M10A-ID0			✓	✓		2,215.00
P330m-0M10C-ID0			✓		✓	2,435.00
P330m-BM10A-ID0	✓		✓	✓		2,805.00
P330m-BM10C-ID0	✓		✓		✓	3,025.00
P330m-EM10A-ID0		✓	✓	✓		2,360.00
P330m-EM10C-ID0		✓	✓		✓	2,580.00

\* Magnetic Encoders are Dual Coercivity, Tracks 1, 2 & 3 (HiCo, Stripe Down is the factory default)  
 \* Reverse (Stripe Up) Magnetic Encoders are also available please contact your ISR for more info  
 \* Printers are shipped with US & EU power cords, Windows Drivers & multi language User Documentation CD Rom

**P330m Monochrome Card Printer - Media**


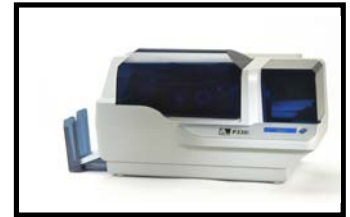
<b>Compatible TrueColours Monochrome Resin Ribbons</b>			
<b>Part Number</b>	<b>Description</b>	<b>No. Of Prints Per Roll</b>	<b>Suggested List Price (€)</b>
800015-101	Black monochrome ribbon	1000	11.00
800015-301	Black monochrome ribbon	1500	15.00
800015-501	Premium black monochrome ribbon	1000	21.50
800015-102	Red monochrome ribbon	1000	26.00
800015-103	Green monochrome ribbon	1000	26.00
800015-104	Blue monochrome ribbon	1000	26.00
800015-106	Gold monochrome ribbon	1000	41.00
800015-107	Silver monochrome ribbon	1000	41.00
800015-109	White monochrome ribbon	1000	30.00
800015-185	Scratch-Off Gray monochrome ribbon	840	49.00
<b>Accessories</b>			
<b>Part Number</b>	<b>Description</b>		<b>Suggested List Price (€)</b>
105912-709	220 card capacity feeder (30 mil)		111.00
105912-756	Ethernet upgrade kit		220.00
105912-913	P330m premier cleaning kit (25 standard & 25 print engine cleaning cards)		66.00

**Advantages of the P330m**

- Latest generation design of highly reliable P310 engine
- User friendly LCD display
- 4MB memory standard
- Translucent feeder and print viewing
- Highly reliable angled feeder design
- Printhead bracket opens more than twice as wide as P310
- Easy and gentle open & close printhead latch
- USB standard with optional built in Ethernet
- Pass through contact and contactless smart chip encoding
- Excellent print quality
- Two year unlimited passes printhead warranty

### P330i Colour Card Printer

The P330i is a single sided, full colour card printer with i Series RFID technology, a user friendly LCD display, feeder and print viewing and many other new features designed for mission critical applications. The reliable P330i is made for when you can't afford to be down.

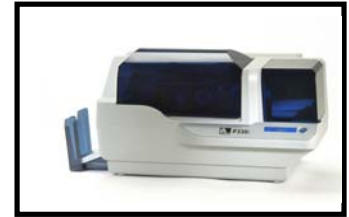


*Basic Specifications:*

Prints a card in 25 seconds, single sided, full colour, 4MB standard memory, belt driven angled feeder (100 30 mil card capacity), USB interface with optional built-in Ethernet, loan-n-go iSeries intelligent ribbon and optional 220 card extended feeder.

Printer Model P330i		Single Side Colour Card Printer						Suggested List Price (€)
Part Number	CONFIGURATION							
	Contact Encoder	Contact Encoder & Mifare Contactless	Contact Station	Mifare Contactless	Dual Co Mag Encoder	USB Interface	USB / Ethernet Interface	
P330i-0000A-ID0						✓		2,145.00
P330i-0000C-ID0							✓	2,365.00
P330i-B000A-ID0	✓					✓		2,735.00
P330i-B000C-ID0	✓						✓	2,955.00
P330i-D000A-ID0		✓				✓		3,240.00
P330i-D000C-ID0		✓					✓	3,460.00
P330i-E000A-ID0			✓			✓		2,290.00
P330i-E000C-ID0			✓				✓	2,510.00
P330i-H000A-ID0				✓		✓		2,735.00
P330i-H000C-ID0				✓			✓	2,955.00
P330i-0M10A-ID0					✓	✓		2,515.00
P330i-0M10C-ID0					✓		✓	2,735.00
P330i-BM10A-ID0	✓				✓	✓		3,105.00
P330i-BM10C-ID0	✓				✓		✓	3,325.00
P330i-DM10A-ID0		✓			✓	✓		3,610.00
P330i-DM10C-ID0		✓			✓		✓	3,830.00
P330i-EM10A-ID0			✓		✓	✓		2,660.00
P330i-EM10C-ID0			✓		✓		✓	2,880.00
P330i-HM10A-ID0				✓	✓	✓		3,105.00
P330i-HM10C-ID0				✓	✓		✓	3,325.00

\* Magnetic Encoders are Dual Coercivity, Tracks 1, 2 & 3 (HiCo, Stripe Down is the factory default)  
 \* Reverse (Stripe Up) Magnetic Encoders are also available please contact your ISR for more info  
 \* Printers are shipped with US & EU power cords, Windows Drivers & multi language User Documentation CD Rom

**P330i Colour Card Printer - Media**


<b>Compatible TrueColours Multi-Panel <i>i</i> Series Ribbons (all <i>i</i> ribbons include a cleaning roller)</b>			
<b>Part Number</b>	<b>Description</b>	<b>No. Of Prints Per Roll</b>	<b>Suggested List Price (€)</b>
800015-440	YMCKO colour <i>i</i> ribbon	200	62.00
800015-540	YMCKO colour <i>i</i> ribbon	330	110.00
800015-547	1/2 panel YMC full panel KO <i>i</i> ribbon	450	84.00
800015-450	KdO black dye sublimation <i>i</i> ribbon with overlay	500	59.00
800015-460	KrO black resin <i>i</i> ribbon with overlay	500	70.00
<b>Compatible TrueColours Monochrome Resin Ribbons</b>			
<b>Part Number</b>	<b>Description</b>	<b>No. Of Prints Per Roll</b>	<b>Suggested List Price (€)</b>
800015-101	Black monochrome ribbon	1000	11.00
800015-301	Black monochrome ribbon	1500	15.00
800015-501	Premium black monochrome ribbon	1000	21.50
800015-102	Red monochrome ribbon	1000	26.00
800015-103	Green monochrome ribbon	1000	26.00
800015-104	Blue monochrome ribbon	1000	26.00
800015-106	Gold monochrome ribbon	1000	41.00
800015-107	Silver monochrome ribbon	1000	41.00
800015-109	White monochrome ribbon	1000	30.00
800015-185	Scratch-Off Gray monochrome ribbon	840	49.00
<b>Accessories</b>			
<b>Part Number</b>	<b>Description</b>	<b>Suggested List Price (€)</b>	
105912-709	220 card capacity feeder (30 mil)	111.00	
105912-756	Ethernet upgrade kit	220.00	
105912-913	P330i premier cleaning kit (25 standard & 25 print engine cleaning cards)	66.00	

**Advantages of the P330i**

- Latest generation design of highly reliable P310 engine
- User friendly LCD display
- 4MB memory standard
- Translucent feeder and print viewing
- Highly reliable angled feeder design
- Printhead bracket opens more than twice as wide as P310
- Easy and gentle open & close printhead latch
- USB standard with optional built in Ethernet
- Pass through contact and contactless smart chip encoding
- Excellent print quality
- Two year unlimited passes printhead warranty

### P430i Colour Card Printer

The P430i is a member of Zebra’s most popular card printer family, with tens of thousands of printers installed worldwide. Designed and built for demanding environments, the P430i delivers reliability and performance for high-volume card production. Expansion options for networking and card encoding give the P430i the flexibility to meet your specific requirements.



Printer Model P430i		Dual Side Colour Card Printer						Suggested List Price (€)
Part Number	CONFIGURATION							
	Contact Encoder	Contact Encoder & Mifare Contactless	Contact Station	Mifare Contactless	Dual Co Mag Encoder	USB Interface	USB / Ethernet Interface	
P430i-0000A-ID0						✓		2,895.00
P430i-0000C-ID0							✓	3,115.00
P430i-B000A-ID0	✓					✓		3,485.00
P430i-B000C-ID0	✓						✓	3,705.00
P430i-D000A-ID0		✓				✓		3,990.00
P430i-D000C-ID0		✓					✓	4,210.00
P430i-E000A-ID0			✓			✓		3,040.00
P430i-E000C-ID0			✓				✓	3,260.00
P430i-H000A-ID0				✓		✓		3,485.00
P430i-H000C-ID0				✓			✓	3,705.00
P430i-0M10A-ID0					✓	✓		3,265.00
P430i-0M10C-ID0					✓		✓	3,485.00
P430i-BM10A-ID0	✓				✓	✓		3,855.00
P430i-BM10C-ID0	✓				✓		✓	4,075.00
P430i-DM10A-ID0		✓			✓	✓		4,360.00
P430i-DM10C-ID0		✓			✓		✓	4,580.00
P430i-EM10A-ID0			✓		✓	✓		3,410.00
P430i-EM10C-ID0			✓		✓		✓	3,630.00
P430i-HM10A-ID0				✓	✓	✓		3,855.00
P430i-HM10C-ID0				✓	✓		✓	4,075.00

\* Magnetic Encoders are Dual Coercivity, Tracks 1, 2 & 3 (HiCo, Stripe Down is the factory default)  
 \* Reverse (Stripe Up) Magnetic Encoders are also available please contact your ISR for more info  
 \* Printers are shipped with US & EU power cords, Windows Drivers & multi language User Documentation CD Rom

**P430i Colour Card Printer – Media**



<b>Compatible TrueColours Multi-Panel <i>i</i> Series Ribbons (all <i>i</i> ribbons include a cleaning roller)</b>			
<b>Part Number</b>	<b>Description</b>	<b>No. Of Prints Per Roll</b>	<b>Suggested List Price (€)</b>
800015-440	YMCKO colour <i>i</i> ribbon	200	62.00
800015-540	YMCKO colour <i>i</i> ribbon	330	110.00
800015-448	YMCKOK colour <i>i</i> ribbon	170	70.00
800015-547	1/2 panel YMC full panel KO <i>i</i> ribbon	450	84.00
800015-450	KdO black dye sublimation <i>i</i> ribbon with overlay	500	59.00
800015-460	KrO black resin <i>i</i> ribbon with overlay	500	70.00
<b>Compatible TrueColours Monochrome Resin Ribbons</b>			
<b>Part Number</b>	<b>Description</b>	<b>No. Of Prints Per Roll</b>	<b>Suggested List Price (€)</b>
800015-101	Black monochrome ribbon	1000	11.00
800015-301	Black monochrome ribbon	1500	15.00
800015-501	Premium black monochrome ribbon	1000	21.50
800015-102	Red monochrome ribbon	1000	26.00
800015-103	Green monochrome ribbon	1000	26.00
800015-104	Blue monochrome ribbon	1000	26.00
800015-106	Gold monochrome ribbon	1000	41.00
800015-107	Silver monochrome ribbon	1000	41.00
800015-109	White monochrome ribbon	1000	30.00
800015-185	Scratch-Off Gray monochrome ribbon	840	49.00
<b>Accessories</b>			
<b>Part Number</b>	<b>Description</b>	<b>Suggested List Price (€)</b>	
105912-709	220 card capacity feeder (30 mil)	111.00	
105912-756	Ethernet upgrade kit	220.00	
105912-913	P430i premier cleaning kit (25 standard & 25 print engine cleaning cards)	66.00	

**Advantages of the P430i**

- Latest generation design of highly reliable P310 engine
- Double sided Printing
- User friendly LCD display
- 4MB memory standard
- Translucent feeder and print viewing
- Highly reliable angled feeder design
- Printhead bracket opens more than twice as wide as P310
- Easy and gentle open & close printhead latch
- USB standard with optional built in Ethernet
- Pass through contact and contactless smart chip encoding
- Excellent print quality
- Two year unlimited passes printhead warranty

## P630i Colour Card Printer with Single-Sided Linerless Laminator

Advanced design delivers the next generation single-sided, full-colour laminating card printer with the lowest total cost of ownership in its class. Zebra's P630i offers customisable levels of security with features such as covert printing, UV panel printing, an optional ID Key to prevent unauthorised printer use and ID Log software. With its high throughput speed and superior print quality, you can count on Zebra's P630i for your secure ID printing.



Printer Model P630i		Dual Side Colour Card Printer & Single Side Laminator						Suggested List Price (€)
Part Number	CONFIGURATION							
	ID Key	Contact Encoder	Smart Card Contact	* Dual Co Mag Encoder	** Linear Barcode Scanner	USB	*** USB / Ethernet	
P630i-0000A-IDG						✓		5,195.00
P630i-0000C-IDG							✓	5,415.00
P630i-B000A-IDG		✓				✓		5,785.00
P630i-B000C-IDG		✓					✓	6,005.00
P630i-E000A-IDG			✓			✓		5,340.00
P630i-E000C-IDG			✓				✓	5,560.00
P630i-0M30A-IDG				✓		✓		5,565.00
P630i-0M30C-IDG				✓			✓	5,785.00
P630i-0B10A-IDG					✓	✓		6,290.00
P630i-0B10C-IDG					✓		✓	6,510.00
P630i-BM30A-IDG		✓		✓		✓		6,155.00
P630i-BM30C-IDG		✓		✓			✓	6,375.00
P630i-EM30A-IDG			✓	✓		✓		5,710.00
P630i-EM30C-IDG			✓	✓			✓	5,930.00
P630i-BB10A-IDG		✓			✓	✓		6,880.00
P630i-BB10C-IDG		✓			✓		✓	7,100.00
P630i-EB10A-IDG			✓			✓		6,435.00
P630i-EB10C-IDG			✓			✓	✓	6,655.00
P630iS-0000A-IDG	✓					✓		5,270.00
P630iS-0000C-IDG	✓						✓	5,490.00
P630iS-B000A-IDG	✓	✓				✓		5,860.00
P630iS-B000C-IDG	✓	✓					✓	6,080.00
P630iS-E000A-IDG	✓		✓			✓		5,415.00
P630iS-E000C-IDG	✓		✓				✓	5,635.00
P630iS-0M30A-IDG	✓			✓		✓		5,640.00
P630iS-0M30C-IDG	✓			✓			✓	5,860.00
P630iS-0B10A-IDG	✓				✓	✓		6,365.00
P630iS-0B10C-IDG	✓					✓	✓	6,585.00
P630iS-BM30A-IDG	✓	✓		✓		✓		6,230.00
P630iS-BM30C-IDG	✓	✓		✓			✓	6,450.00
P630iS-EM30A-IDG	✓		✓	✓		✓		5,785.00
P630iS-EM30C-IDG	✓		✓	✓			✓	6,005.00
P630iS-BB10A-IDG	✓	✓			✓	✓		6,955.00
P630iS-BB10C-IDG	✓	✓			✓		✓	7,175.00
P630iS-EB10A-IDG	✓		✓			✓		6,510.00
P630iS-EB10C-IDG	✓		✓			✓	✓	6,730.00
<b>Compatible TrueColours Multi-Panel Ribbons</b>								
Part Number	Description					No. Of Prints Per Roll	Suggested List Price (€)	
800014-901	Black monochrome ribbon					3000	63.00	
800014-941	YMCuvK colour ribbon					500	185.00	
800014-945	YMCK colour ribbon					600	155.00	
800014-980	YMCKK colour ribbon					500	162.00	
<b>P6XX Specific Accessories</b>								
Part Number	Description					Suggested List Price (€)		
800015-802	Cleaning Cartridge (cleans up to 3000 cards)					36.00		

### Advantages of the P630i

- Single-sided laminator with low cost linerless and waste-free laminate material, 120 cards per hour
- Micro positioning card transport for superior colour registration and print quality
- Unique card carriage system that does not require routine cleaning
- ID/Log software – a driver utility that builds a customisable record of card transactions in the printer's host computer for added security
- Optional ID/Key, a security feature that disables the printer when removed and prevents unauthorised printer use
- Covert & UV printing capability for added security
- Optional built in 10/100 Ethernet Network connectivity
- Ability to apply a 1.0 mil laminate patch on one side of a card for increased card life, tamper resistance & durability
- 1 year unlimited passes printhead warranty

\* Magnetic Encoders are HiCo, stripe up ONLY, Tracks 1, 2 & 3 **CANNOT BE USED ON BARCODE SCANNER PRINTER**

\*\* 1D Barcode Scanner **CANNOT BE USED ON MAG PRINTER**

\*\*\* Ethernet is 10/100 megabytes per second

# Printers are shipped with EU & US power cord, Windows Drivers & Multi-language User Documentation CD Rom

## P640i Colour Card Printer with Linerless Laminator

The Zebra P640i is a rugged, dual-sided colour card printer with a waste-free dual sided laminator and security features designed for security sensitive applications. With security features such as covert printing, UV panel printing, ID Key to prevent unauthorised printer use, and ID/Log software, the P640i can add unique security features to ID cards easier, faster and more economically.

This next generation printer from Zebra delivers mission critical reliability and superior affordability.



Printer Model P640i		Dual Side Colour Card Printer & Laminator						Suggested List Price (€)
Part Number	CONFIGURATION							
	ID Key	Contact Encoder	Smart Card Contact	* Dual Co Mag Encoder	** Linear Barcode Scanner	USB	*** USB / Ethernet	
P640i-0000A-IDG						✓		5,995.00
P640i-0000C-IDG							✓	6,215.00
P640i-B000A-IDG		✓						6,585.00
P640i-B000C-IDG		✓					✓	6,805.00
P640i-E000A-IDG			✓				✓	6,140.00
P640i-E000C-IDG			✓					6,360.00
P640i-0M30A-IDG				✓			✓	6,365.00
P640i-0M30C-IDG				✓			✓	6,585.00
P640i-0B10A-IDG					✓	✓		7,090.00
P640i-0B10C-IDG					✓		✓	7,310.00
P640i-BM30A-IDG		✓		✓		✓		6,955.00
P640i-BM30C-IDG		✓		✓			✓	7,175.00
P640i-EM30A-IDG			✓	✓		✓		6,510.00
P640i-EM30C-IDG			✓	✓			✓	6,730.00
P640i-BB10A-IDG		✓			✓	✓		7,680.00
P640i-BB10C-IDG		✓			✓		✓	7,900.00
P640i-EB10A-IDG			✓		✓	✓		7,235.00
P640i-EB10C-IDG			✓		✓		✓	7,455.00
P640iS-0000A-IDG	✓					✓		6,070.00
P640iS-0000C-IDG	✓						✓	6,290.00
P640iS-B000A-IDG	✓	✓				✓		6,660.00
P640iS-B000C-IDG	✓	✓					✓	6,880.00
P640iS-E000A-IDG	✓		✓			✓		6,215.00
P640iS-E000C-IDG	✓		✓				✓	6,435.00
P640iS-0M30A-IDG	✓			✓		✓		6,440.00
P640iS-0M30C-IDG	✓			✓			✓	6,660.00
P640iS-0B10A-IDG	✓				✓	✓		7,165.00
P640iS-0B10C-IDG	✓				✓		✓	7,385.00
P640iS-BM30A-IDG	✓	✓		✓		✓		7,030.00
P640iS-BM30C-IDG	✓	✓		✓			✓	7,250.00
P640iS-EM30A-IDG	✓		✓	✓		✓		6,585.00
P640iS-EM30C-IDG	✓		✓	✓			✓	6,805.00
P640iS-BB10A-IDG	✓	✓			✓	✓		7,755.00
P640iS-BB10C-IDG	✓	✓			✓		✓	7,975.00
P640iS-EB10A-IDG	✓		✓		✓	✓		7,310.00
P640iS-EB10C-IDG	✓		✓		✓		✓	7,530.00
Compatible TrueColours Multi-Panel Ribbons								
Part Number	Description			No. Of Prints Per Roll	Suggested List Price (€)			
800014-901	Black monochrome ribbon			3000	63.00			
800014-941	YMCuvK colour ribbon			500	185.00			
800014-945	YMCK colour ribbon			600	155.00			
800014-980	YMCKK colour ribbon			500	162.00			
P6XX Specific Accessories								
Part Number	Description			Suggested List Price (€)				
800015-802	Cleaning Cartridge (cleans up to 3000 cards)			36.00				

### Advantages of the P640i

- Reliable single-pass dual-sided laminator with economical linerless and waste-free laminate material
- Micro positioning card transport for superior colour registration and print quality
- Unique card carriage system that does not require routine cleaning
- ID/Log software – a driver utility that builds a customisable record of card transactions in the printer's host computer for added security
- Optional ID/Key, a security feature that disables the printer when removed and prevents unauthorised printer use
- Covert & UV printing capability for added security
- Optional built in Ethernet Network connectivity
- 1 year unlimited passes printhead warranty

\* Magnetic Encoders are HiCo, stripe up ONLY, Tracks 1, 2 & 3 CANNOT BE USED ON BARCODE SCANNER PRINTER

\*\* 1D Barcode Scanner CANNOT BE USED ON MAG PRINTER

\*\*\* Ethernet is 10/100 megabytes per second

# Printers are shipped with EU & US power cord, Windows Drivers & Multi-language User Documentation CD Rom

## **Zebra Non-RoHS Compliant Card Printers**

**Please be aware that the following Zebra card printers are NOT available for sale in Europe or countries that require RoHS compliance. If in doubt as to the RoHS requirements of your country please contact your local authorities for clarification.**

### P310F Monochrome Card Printer

The P310F printer is flexible, fast and reliable. This printer features high-speed printing, 3.5 seconds per card for monochrome edge-to-edge printing! The field proven print engine prints consistent readable barcodes and sharp line art, graphics and text. Ideal for applications requiring printing with monochrome, hologram overlay varnish and scratch-off ribbons.



*Basic Specifications:*

Prints up to 1000 cards per hour, edge-to-edge, 300 dpi, single sided and 2 MB memory.

Printer Model P310F		Single Side Monochrome Card Printer			
Part Number	CONFIGURATION				Suggested List Price (€)
	Smart Card Contact	Dual Co Mag Encoder	Parallel Interface	Serial Interface	
P310F-0000P-ED0			✓		1,845.00
P310F-0000S-ED0				✓	1,845.00
P310F-E000P-ED0	✓		✓		1,990.00
P310F-E000S-ED0	✓			✓	1,990.00
P310F-0M10P-ED0		✓	✓		2,215.00
P310F-0M10S-ED0		✓		✓	2,215.00
P310F-EM10P-ED0	✓	✓	✓		2,360.00
P310F-EM10S-ED0	✓	✓		✓	2,360.00
Compatible TrueColours Monochrome Resin Ribbons					
Part Number	Description	No. Of Prints Per Roll	Suggested List Price (€)		
800015-101	Black monochrome ribbon	1000	11.00		
800015-301	Black monochrome ribbon	1500	15.00		
800015-501	Premium black monochrome ribbon	1000	21.50		
800015-102	Red monochrome ribbon	1000	26.00		
800015-103	Green monochrome ribbon	1000	26.00		
800015-104	Blue monochrome ribbon	1000	26.00		
800015-106	Gold monochrome ribbon	1000	41.00		
800015-107	Silver monochrome ribbon	1000	41.00		
800015-109	White monochrome ribbon	1000	30.00		
800015-185	Scratch-Off Gray monochrome ribbon	840	49.00		

**Advantages of the P310F**

- The P310F offers fast printing at 1000 cards per hour
- Prints a variety of card thicknesses (10-60 mil)
- “Self Clean” patented card cleaning cartridge with easy to replace adhesive roller
- Two year unlimited passes printhead warranty

\* Magnetic Encoders are Dual Coercivity, Tracks 1, 2 & 3 (HiCo, Stripe Down is the factory default)  
 \* Reverse (Stripe Up) Magnetic Encoders are also available please contact your ISR for more info  
 \* Printers are shipped with EU power cord, Windows Drivers & multi language User Documentation CD Rom

### P310i Colour Card Printer

The P310i is an intelligent, reliable, single-sided plastic card printer with iSeries features designed for easy to use superior quality printing at an affordable price. Quiet operation and small footprint make it ideal for desktop and reception area printing.



**Basic Specifications:**

Prints a card in full colour in under 25 seconds, edge-to-edge, 300 dpi, single-sided, 2 MB standard memory with 75 card (30 mil) capacity card feeder and USB interface as standard.

Printer Model P310i		Single Side Colour Card Printer		
Part Number	CONFIGURATION			Suggested List Price (€)
	Smart Card Contact	Dual Co Mag Encoder	USB/Parallel Interface	
P310i-0000U-ID0			✓	2,145.00
P310i-E000U-ID0	✓		✓	2,290.00
P310i-0M10U-ID0		✓	✓	2,515.00
P310i-EM10U-ID0	✓	✓	✓	2,660.00
<b>Compatible TrueColours Multi-Panel i Series Ribbons (all i ribbons include a cleaning roller)</b>				
Part Number	Description	No. Of Prints Per Roll	Suggested List Price (€)	
800015-440	YMCKO colour i ribbon	200	62.00	
800015-540	YMCKO colour i ribbon	330	110.00	
800015-450	KdO black dye sublimation i ribbon with overlay	500	59.00	
800015-460	KrO black resin i ribbon with overlay	500	70.00	
<b>Compatible TrueColours Monochrome Resin Ribbons</b>				
Part Number	Description	No. Of Prints Per Roll	Suggested List Price (€)	
800015-101	Black monochrome ribbon	1000	11.00	
800015-301	Black monochrome ribbon	1500	15.00	
800015-501	Premium black monochrome ribbon	1000	21.50	
800015-102	Red monochrome ribbon	1000	26.00	
800015-103	Green monochrome ribbon	1000	26.00	
800015-104	Blue monochrome ribbon	1000	26.00	
800015-106	Gold monochrome ribbon	1000	41.00	
800015-107	Silver monochrome ribbon	1000	41.00	
800015-109	White monochrome ribbon	1000	30.00	
800015-185	Scratch-Off Gray monochrome ribbon	840	49.00	

**Advantages of the P310i**

- Advanced colour printing, enhanced colour processing firmware, richer colour ribbon formulation, optimised for printing photo identification badges & membership cards
- Operator convenience, easy to use “load & go” ribbon system, automatic driver configuration & ribbon low notification
- Reliable operation, based on the highly reliable, field proven P310 engine
- Two year unlimited passes printhead warranty

\* Magnetic Encoders are Dual Coercivity, Tracks 1, 2 & 3 (HiCo, Stripe Down is the factory default)  
 \* Reverse (Stripe Up) Magnetic Encoders are also available please contact your ISR for more info  
 \* Printers shipped with US & EU power cords, Windows Drivers & multi language User Documentation CD Rom



## EMEA Price List

### P420i Colour Card printer

The P420i is a dual-sided colour card printer optimised for fast full colour printing with iSeries intelligence, robust metal enclosure, and convenient, easy-to-use features designed to produce high quality, personalised photo ID cards on-demand for high volume applications.



#### Basic Specifications:

Prints a dual sided card in full colour front, black on back, in under 35 seconds, edge-to-edge, 300 dpi, integrated 100 card (30 mil) capacity card feeder and USB interface as standard (Ethernet interface optional).

Printer Model P420i		Dual Side Colour Card Printer			Suggested List Price (€)
Part Number	CONFIGURATION				
	Smart Card Contact	Dual Co Mag Encoder	USB/Parallel Interface	USB/Ethernet Interface	
P420i-0000U-ID0			✓		2,995.00
P420i-0000C-ID0				✓	3,215.00
P420i-E000U-ID0	✓		✓		3,140.00
P420i-E000C-ID0	✓			✓	3,360.00
P420i-0M10U-ID0		✓	✓		3,365.00
P420i-0M10C-ID0		✓		✓	3,585.00
P420i-EM10U-ID0	✓	✓	✓		3,510.00
P420i-EM10C-ID0	✓	✓		✓	3,730.00
<b>Compatible TrueColours Multi-Panel i Series Ribbons (all i ribbons include a cleaning roller)</b>					
Part Number	Description	No. Of Prints Per Roll	Suggested List Price (€)		
800015-440	YMCKO colour <i>i</i> ribbon	200	62.00		
800015-540	YMCKO colour <i>i</i> ribbon	330	110.00		
800015-448	YMCKOK colour <i>i</i> ribbon	170	70.00		
800015-450	KdO black dye sublimation <i>i</i> ribbon with overlay	500	59.00		
800015-460	KrO black resin <i>i</i> ribbon with overlay	500	70.00		
<b>Compatible TrueColours Monochrome Resin Ribbons</b>					
Part Number	Description	No. Of Prints Per Roll	Suggested List Price (€)		
800015-101	Black monochrome ribbon	1000	11.00		
800015-301	Black monochrome ribbon	1500	15.00		
800015-501	Premium black monochrome ribbon	1000	21.50		
800015-102	Red monochrome ribbon	1000	26.00		
800015-103	Green monochrome ribbon	1000	26.00		
800015-104	Blue monochrome ribbon	1000	26.00		
800015-106	Gold monochrome ribbon	1000	41.00		
800015-107	Silver monochrome ribbon	1000	41.00		
800015-109	White monochrome ribbon	1000	30.00		
800015-185	Scratch-Off Gray monochrome ribbon	840	49.00		

#### Advantages of the P420i

- Security, programmable passcode, TrueSecure varnish image printing
- Advanced colour printing, enhanced colour processing firmware, richer colour ribbon formulation, optimised for printing on proximity cards
- Operator convenience, LCD display, viewing window, automatic driver configuration & ribbon low notification
- Reliable operation, full metal enclosure and field proven P310 engine
- Two year unlimited passes printhead warranty

\* Magnetic Encoders are Dual Coercivity, Tracks 1, 2 & 3 (HiCo, Stripe Down is the factory default)  
 \* Reverse (Stripe Up) Magnetic Encoders are also available please contact your ISR for more info  
 \* Printers are shipped with US & EU power cords, Windows Drivers & multi language User Documentation CD Rom

## P520i Colour Card Printer with Built-In Laminator

A robust, dual-sided card printer that quickly and easily produces high quality laminated photo ID cards for large volume applications. Its laminating feature adds security, while considerably extending card life and durability. Features: iSeries technology, user-friendly LCD display, ribbon and laminates automatic synchronisation, and a transparent viewing window.



### Basic Specifications:

Single-sided lamination (dual-sided lamination capability in two passes), print & laminate speed: 36 sec/card, colour front, black back and 1 mil laminate front. Optional features include magnetic encoder, smart card contact station and built in Ethernet.

Printer Model P520i		Dual Side Colour Card Printer & Laminator			
Part Number	CONFIGURATION				Suggested List Price (€)
	Smart Card Contact	Dual Co Mag Encoder	USB/Parallel Interface	USB/Ethernet Interface	
P520i-0000U-ID0			✓		5,195.00
P520i-0000C-ID0				✓	5,415.00
P520i-E000U-ID0	✓		✓		5,340.00
P520i-E000C-ID0	✓			✓	5,560.00
P520i-0M10U-ID0		✓	✓		5,565.00
P520i-0M10C-ID0		✓		✓	5,785.00
P520i-EM10U-ID0	✓	✓	✓		5,710.00
P520i-EM10C-ID0	✓	✓		✓	5,930.00
Compatible TrueColours Multi-Panel i Series Ribbons (all i ribbons include a cleaning roller)					
Part Number	Description	No. Of Prints Per Roll	Suggested List Price (€)		
800015-440	YMCKO colour <i>i</i> ribbon	200	62.00		
800015-540	YMCKO colour <i>i</i> ribbon	330	110.00		
800015-445	YMCK colour <i>i</i> ribbon	250	58.00		
800015-448	YMCKOK colour <i>i</i> ribbon	170	70.00		
800015-480	YMCKK colour <i>i</i> ribbon	200	65.00		
800015-543	YMCuvK colour <i>i</i> ribbon	330	118.00		
800015-450	KdO black dye sublimation <i>i</i> ribbon with overlay	500	59.00		
800015-460	KrO black resin <i>i</i> ribbon with overlay	500	70.00		
Compatible TrueColours Monochrome Resin Ribbons					
Part Number	Description	No. Of Prints Per Roll	Suggested List Price (€)		
800015-101	Black monochrome ribbon	1000	11.00		
800015-301	Black monochrome ribbon	1500	15.00		
800015-501	Premium black monochrome ribbon	1000	21.50		
800015-102	Red monochrome ribbon	1000	26.00		
800015-103	Green monochrome ribbon	1000	26.00		
800015-104	Blue monochrome ribbon	1000	26.00		
800015-106	Gold monochrome ribbon	1000	41.00		
800015-107	Silver monochrome ribbon	1000	41.00		
800015-109	White monochrome ribbon	1000	30.00		
800015-185	Scratch-Off Gray monochrome ribbon	840	49.00		

\* Magnetic Encoders are Dual Coercivity, Tracks 1, 2 & 3 (HiCo, Stripe Down is the factory default)  
 \* Reverse (Stripe Up) Magnetic Encoders are also available please contact your ISR for more info  
 \* Printers are shipped with US & EU power cords, Windows Drivers & multi language User Documentation CD Rom

### Advantages of the P520i

- I Series Technology: auto ribbon detection and driver configuration, intelligent colour optimisation, ribbon image counter and ribbon low notification
- Offers built-in networking with an internal Ethernet option, providing efficiency, minimal downtime, and ability to locate printer anywhere
- User friendly operation: two line LCD display indicates printer and laminator status, settings and maintenance functions, patented card cleaning cartridge, Windows based printer drivers
- Ability to apply a 1 mil or 0.6 mil thick laminate patch for increased card life, security and durability
- One year unlimited passes printhead warranty

## **Genuine Zebra Supplies**

### *HIGH QUALITY, RELIABLE MEDIA FOR OPTIMUM PERFORMANCE*

Your choices of card printer supplies are very important. The supplies you choose will ultimately affect the overall quality of the final printed images. To optimise your printer's performance, Zebra offers an array of genuine supplies to meet your specific card printer applications. These include: print ribbons, overlay and laminate ribbons, plastic cards and cleaning supplies.

All Genuine Zebra Supplies are optimised for maximum printer performance, resulting in rich colour and high quality printed images. Genuine Zebra Supplies meet stringent quality standards and guarantee best overall card printer system performance. Supplies are tested and matched to the printer designs.

### *INSIST ON THE BEST – CHOOSE GENUINE ZEBRA SUPPLIES.*

Zebra Technologies provides both in-stock and custom-made media solutions for all applications, including various dye sublimation and thermal transfer print ribbon layouts, multiple overlay varnish and laminate options with holograms, several types of high quality plastic cards and various cleaning supplies that minimise wear and tear on the printhead, reducing overall maintenance costs.

## **WHY USE GENUINE ZEBRA SUPPLIES?**

- Best overall card printer system performance from media tested and matched with printer designs
- Best system level support for supplies
- Guaranteed printer compatibility
- Optimised printer performance for best colour images
- Consistent quality



## Genuine Zebra Supplies

### Optimize your printer performance with **Genuine Zebra Supplies**

Your choice of card printer supplies is critical. It is a primary factor affecting the reliability and consistency of printing. Genuine Zebra Supplies meet stringent quality standards and are tested for optimum performance with Zebra card printers.

#### Print Ribbons

Zebra TrueColours print ribbons deliver consistent, high-quality, color reproduction for vibrant color photos, "true-to-life" flesh tones and sharp monochrome resin bar codes and text. A patented overlay ("O" panel) protects the card against dye migration and abrasions.



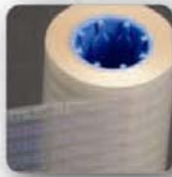
#### Cleaning Supplies

Zebra offers a full line of cleaning supplies to properly maintain printer performance and extend card printer life. Regular use of Genuine Zebra Cleaning Supplies will prolong the life of critical printer parts, including printhead, transport rollers, and magnetic encoders. Routine cleaning also yields better quality card images.



#### Overlay & Laminate Ribbons

Zebra's TrueColours secure supplies, such as varnish overlays and laminates, are designed to combat card counterfeiting, alteration and duplication. These protective materials prolong card life by preventing image fading and dye-migration and reduce normal wear from handling and frequent swiping of card through magnetic stripe readers. They can also deter card forgery with the use of security-featured holograms.



#### Plastic Cards

Zebra's quality checked plastic cards enhance the print quality and image sharpness needed for vivid colors and detailed readable bar codes. Zebra guarantees its pure PVC and Composite PVC cards to be ISO compliant, dust-free, and have smooth edges. For more demanding security applications, Zebra offers cards with various security options. These options make cards more tamper resistant and secure.



Insist on the best for your card printer investment. When you choose Zebra, you're choosing the best in quality and performance every step of the way.





**Plastic Cards**

<b>Zebra Premier &amp; Premier Plus Cards (sold by the box)</b>			
<b>Part Number</b>	<b>Description</b>	<b>No. Of Cards Per Box</b>	<b>Suggested List Price (€)</b>
<b>Premier (PVC) Blank White Cards</b>			
104523-114	Card, 10 mil	1000	68.00
104523-117	Card, 15 mil, write-able back	1000	68.00
104523-010	Card, 10 mil, adhesive with mylar backing	500	192.00
104523-020	Card, 30 mil, 3-up breakaway key tags	500	110.00
104523-111	Card, 30 mil	500	41.00
104523-112	Card, 30 mil, Low Coercivity magnetic stripe	500	58.00
104523-113	Card, 30 mil, High Coercivity magnetic stripe	500	74.00
<b>Premier Plus (PVC Composite) Blank White Cards</b>			
104524-101	Card, 30 mil	500	82.00
104524-103	Card, 30 mil, High Coercivity magnetic stripe	500	105.00
104524-104	Card, 30 mil, for use with YMCuvK ribbon	500	82.00
104524-105	Card, 30 mil, High Coercivity mag stripe, for use with YMCuvK ribbon	500	105.00
104524-106	Card, 30 mil, Z6 (extended life applications DL & Govt)	500	125.00
104524-107	Card, 30 mil, HiCo mag stripe, Z6 (extended life applications DL & Govt)	500	155.00
<b>Speciality Plastic Cards</b>			
<b>Premier Colour PVC Cards</b>			
104523-130	Zebra colour PVC Card - Red, 30mil	500	48.00
104523-131	Zebra colour PVC Card - Yellow, 30mil	500	48.00
104523-132	Zebra colour PVC Card - Silver Metallic, 30mil	500	75.00
104523-133	Zebra colour PVC Card - Gold Metallic, 30mil	500	75.00
104523-134	Zebra colour PVC Card - Blue, 30mil	500	48.00
104523-135	Zebra colour PVC Card - Green, 30mil	500	48.00
<b>Premier Translucent PVC Cards</b>			
104523-140	Zebra Translucent PVC Card - Gold, 30mil	500	188.00
104523-141	Zebra Translucent PVC Card - Red, 30mil	500	188.00
104523-142	Zebra Translucent PVC Card - Orange, 30mil	500	188.00
104523-143	Zebra Translucent PVC Card - Green, 30mil	500	188.00
104523-144	Zebra Translucent PVC Card - Blue-Light, 30mil	500	188.00
104523-145	Zebra Translucent PVC Card - Blue-Dark, 30mil	500	188.00
104523-146	Zebra Translucent PVC Card - Clear, 30mil	500	188.00
104523-147	Zebra Translucent PVC Card - Black, 30mil	500	188.00
104523-148	Zebra Translucent PVC Card - Purple, 30mil	500	188.00
104523-149	Zebra Translucent PVC Card - Grey, 30mil	500	188.00
<b>Premier Colour-Shifting PVC Cards</b>			
104523-150	Zebra colour-Shifting PVC Cards - Light Blue / Purple, 30mil	500	107.00
104523-151	Zebra colour-Shifting PVC Cards - Pink / Fresh, 30mil	500	107.00
104523-152	Zebra colour-Shifting PVC Cards - Green / Gold, 30mil	500	107.00
104523-153	Zebra colour-Shifting PVC Cards - Silver / Blue, 30mil	500	107.00
104523-154	Zebra colour-Shifting PVC Cards - Aqua / Blue, 30mil	500	107.00
104523-155	Zebra colour-Shifting PVC Cards - Yellow / Salmon, 30mil	500	107.00
104523-156	Zebra colour-Shifting PVC Cards - Gold / Grey, 30mil	500	107.00
<b>Premier Rainbow Foil PVC Cards</b>			
104523-160	Zebra Rainbow Foil PVC Cards - Silver, 30 mil	500	160.00
<b>Premier Recycled PVC Cards</b>			
104523-170	Zebra Recycled PVC Cards, 30mil	500	48.00
<b>Premier Signature Panel PVC Cards</b>			
104523-118	Zebra Blank PVC Cards w/ Signature Panel, 30mil	500	60.00
<b>Magnetic Stripe Option for Speciality Cards</b>			
Black Magnetic stripe option (please contact your ISR for more information)			Additional 25.00
Coloured Magnetic stripe option (please contact your ISR for more information)			Additional 37.00

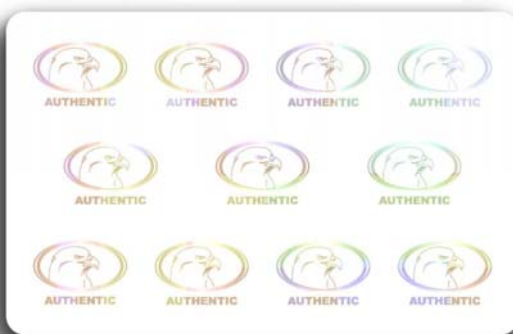
**Important Notes:**

- 1) 10 mil cards are not recommended for full colour printing. They are good for small pictures, logos and colour text.
- 2) Adhesive 10 mil cards with 14 mil mylar backing can be used on all print stations. DO NOT USE IN LAMINATORS.
- 3) 10 mil = 0.25 mm 30 mil = 0.76 mm
- 4) 10 mil cards can be used on the P310/P330/P430
- 5) 3-up breakaway key tags can be used on the P310/P320/P330/P420
- 6) When applying laminates to a card you should use Premier Plus composite cards

**Premier Plus Security Cards**

Premier Plus Security Cards, Translucent Embedded Hologram (Stock Designs)			
Part Number	Description	No. Of Cards Per Box	Suggested List Price (€)
104524-120	Card, 30 mil composite, world globe design	500	220.00
104524-121	Card, 30 mil composite, diamond	500	220.00
104524-122	Card, 30 mil composite, authentic	500	220.00
104524-123	Card, 30 mil composite, key	500	220.00


**PN: 104524-120**

**PN: 104524-121**

**PN: 104524-122**

**PN: 104524-123**

## Custom Security Cards

Custom Security Holographic Cards					
Description	No. Of Cards Per Box	Minimum Origination Fee (€)	Suggested List Price (€) per box of 500 cards		
			500	1000	10000
PVC - Custom Surface Foil	500	120	240.00	215.00	140.00
PVC - Custom Surface Foil w/ Mag.	500	120	270.00	250.00	170.00
PVC - Custom 2D/3D & 3D Hologram with & w/out Mag.	500	2600	CALL FOR QUOTE		
Composite - Custom Surface Foil	500	120	275.00	255.00	175.00
Composite - Custom Surface Foil w/Mag.	500	120	305.00	285.00	200.00
Composite - Custom Translucent Embedded Hologram	500	290	545.00	440.00	270.00
Composite - Custom Translucent Embedded Hologram w/ Mag.	500	290	570.00	470.00	300.00
Composite - Custom 2D/3D & 3D Hologram with & w/out Mag.	500	2600	CALL FOR QUOTE		

**Preferred Artwork Formats:**

Photoshop  
Illustrator  
Corel Draw (Vector)

High resolution file required - if extra work is required to make artwork ready; charges may apply at a rate of €110 per hour

**Notes:**

Lead time 5-7 weeks from proof approval  
Minimum order quantity = 500 cards  
Call your Internal Sales Representative for a quote - prices above serve as an indication of pricing for the volumes indicated



## True Colour Print Ribbons

<b>TrueColours Monochrome Resin Ribbons</b>			
Part Number	Description	No. Of Prints Per Roll	Suggested List Price (€)
800015-101	Black monochrome ribbon	1000	11.00
800015-301	Black monochrome ribbon	1500	15.00
800015-501	Premium black monochrome ribbon	1000	21.50
800014-901	Black monochrome ribbon (P630/640i ONLY)	3000	63.00
800015-102	Red monochrome ribbon	1000	26.00
800015-103	Green monochrome ribbon	1000	26.00
800015-104	Blue monochrome ribbon	1000	26.00
800015-106	Gold monochrome ribbon	1000	41.00
800015-107	Silver monochrome ribbon	1000	41.00
800015-109	White monochrome ribbon	1000	30.00
800015-185	Scratch-Off Gray monochrome ribbon	840	49.00
<b>TrueColours Multi-Panel Ribbons</b>			
Part Number	Description	No. Of Prints Per Roll	Suggested List Price (€)
800015-140	YMCKO colour ribbon	200	55.00
800015-340	YMCKO colour ribbon	350	96.00
800015-145	YMCK colour ribbon	250	58.00
800015-845	YMCK colour ribbon (P620 ONLY)	500	130.00
800015-148	YMCKOK colour ribbon	170	70.00
800015-180	YMCKK colour ribbon	200	66.00
<b>P1XXi TrueColours Ribbon Cartridges (all cartridges include an integrated cleaning roller)</b>			
Part Number	Description	No. Of Prints Per Roll	Suggested List Price (€)
800015-901	Black Mono Cartridge	1000	22.00
800015-902	Red Mono Cartridge	1000	29.00
800015-903	Green Mono Cartridge	1000	29.00
800015-904	Blue Mono Cartridge	1000	29.00
800015-906	Gold Mono Cartridge	1000	70.00
800015-907	Silver Mono Cartridge	1000	70.00
800015-909	White Mono Cartridge	850	33.00
800015-940	YMCKO Cartridge	200	65.00
800015-948	YMCKOK Cartridge	165	73.00
<b>P2XXi TrueColours Ribbon Cartridges (all cartridges include a cleaning roller)</b>			
Part Number	Description	No. Of Prints Per Roll	Suggested List Price (€)
800015-201	Black monochrome cartridge	500	13.00
800015-240	YMCKO cartridge	100	37.00
<b>TrueColours Multi-Panel i Series Ribbons (all i ribbons include a cleaning roller)</b>			
Part Number	Description	No. Of Prints Per Roll	Suggested List Price (€)
800015-440	YMCKO colour <i>i</i> ribbon	200	62.00
800015-540	YMCKO colour <i>i</i> ribbon	330	110.00
800015-445	YMCK colour <i>i</i> ribbon	250	58.00
800015-448	YMCKOK colour <i>i</i> ribbon	170	70.00
800015-480	YMCKK colour <i>i</i> ribbon	200	65.00
800015-543	YMCuvK colour <i>i</i> ribbon	330	118.00
800015-547	1/2 panel YMC full panel KO <i>i</i> ribbon	450	84.00
800015-450	KdO black dye sublimation <i>i</i> ribbon with overlay	500	59.00
800015-460	KrO black resin <i>i</i> ribbon with overlay	500	70.00
800014-941	YMCuvK colour <i>i</i> ribbon (P630/640i ONLY)	500	185.00
800014-945	YMCK colour <i>i</i> ribbon (P630/640i ONLY)	600	155.00
800014-980	YMCKK colour <i>i</i> ribbon (P630/640i ONLY)	500	162.00

NOTE: *i* Series ribbons are fully compatible with 'C' Series printers

## Varnish Overlay & Laminate Ribbons

<b>TrueSecure Varnish Overlays (sold by the roll)</b>			
Part Number	Description	No. Of Prints Per Roll	Suggested List Price (€)
800015-122	Clear overlay	350	44.00
800015-120	Genuine Secure hologram image	350	50.00
800015-131	Clear overlay <i>(for use on P500/P520 laminator only)</i>	350	48.00
<b>TrueSecure Hand Applied Laminate Patches (sold by the pack)</b>			
Part Number	Description	No. Of Patches Per Pack	Suggested List Price (€)
800015-035	"Peel 'n' Stick" Genuine Secure hologram laminate	500	220.00
<b>TrueSecure 1 mil Liner Based Laminate Patches For P500/P520 (sold by the roll)</b>			
Part Number	Description	No. Of Patches Per Roll	Suggested List Price (€)
800015-014	Clear with full coverage	100	23.50
800015-012	Clear with mag stripe card coverage	100	29.00
800015-013	Clear with smart card coverage	100	29.00
800015-031	Clear alternate patches (1 full/1 mag for dual side lamination)	100 <i>(50 dual side cards)</i>	29.00
800015-032	Genuine Secure hologram image	100	50.00
800015-033	World Globe hologram image	100	50.00
<b>TrueSecure 0.6 mil Liner Based Laminate Patches For P500/P520 (sold by the roll)</b>			
Part Number	Description	No. Of Patches Per Roll	Suggested List Price (€)
800015-135	Clear with full coverage	160	46.00
<b>TrueSecure 1 mil Linerless Laminate Patches For P620/P630/P640 (sold by the roll)</b>			
Part Number	Description	No. Of Patches Per Roll	Suggested List Price (€)
800015-914	Clear with full coverage	600	70.00
800015-912	Clear with mag stripe card coverage	600	70.00
800015-913	Clear with smart card coverage	600	88.00
800015-917	Clear for cards with signature panel	600	70.00
800015-915	World Globe hologram image	600	95.00
<b>TrueSecure 1 mil Linerless Laminate Patches For P720 (sold by the roll)</b>			
Part Number	Description	No. Of Patches Per Roll	Suggested List Price (€)
800015-714	Clear with full coverage	800	106.00
800015-712	Clear with mag stripe card coverage	800	130.00
800015-715	World Globe hologram image	800	185.00
800015-716	Genuine Secure hologram image	800	185.00



World  
Globe  
Image



Genuine  
Secure  
Image

## Card Printer Ribbon Guide

Ribbon Type	Product Description	Recommended Printer Support	Technology
<b>Print Ribbons</b>			
Monochrome	Monochrome ribbons available in 8 different colours. (7 colours only for P100 Series - Black only for P200 Series)	P100i, P110i/m, P120i, P310F/i, P330i/m, P420i, P430i, P520i	Thermal Transfer
YMCK 4 Panel	Used for printing full colour and black resin before laminate patch is applied.	P520i, P630i, P640i	Dye Sublimation & Thermal Transfer
YMCKO 5 Panel	Used for printing full colour & black resin with overlay.	P100i, P110i, P120i, P210, P310i, P330i, P420i, P430i, P520i	Dye Sublimation & Thermal Transfer
YMCKK 5 Panel	Used for printing full colour & black resin on front & black resin on back before laminate patch is applied.	P520i, P630i, P640i	Dye Sublimation & Thermal Transfer
YMCuvK 5 Panel	Used for printing full colour YMC + uv image on front & black resin on back before laminate is applied	P520i, P630i, P640i	Dye Sublimation & Thermal Transfer
YMCKOK 6 Panel	Used for printing full colour & black resin with overlay on the front and black resin on the back.	P120i, P420i, P430i, P520i	Dye Sublimation & Thermal Transfer
KdyeO 2 Panel	Used for printing photographs or images that require greyscale (shades of black).	P310i, P330i, P420i, P430i, P520i	Dye Sublimation
KresinO 2 Panel	Used for printing barcodes or any image requiring true black.	P310i, P330i, P420i, P430i, P520i	Thermal Transfer
<b>Overlay Varnishes</b>			
Clear	3-4 microns thick. Provides extra protection from scratching.	P310i, P330i, P420i, P430i, P520i	Thermal Transfer
Genuine Secure Hologram Image	Holographic image that reads "Genuine" from one angle and "Secure" from another.	P310i, P330i, P420i, P430i, P520i	Thermal Transfer
<b>P520 Liner Based Laminate Patches</b>			
Clear	1 mil & 0.6 mil laminate patches for highly durable cards.	P520i	Hot Roll Laminator
Genuine Secure Hologram Image	Holographic image that reads "Genuine" from one angle and "Secure" from another (1 mil only).	P520i	Hot Roll Laminator
World Globe Hologram Image	Holographic image of world globes randomly place, wallpaper design (1 mil only).	P520i	Hot Roll Laminator
<b>P630/640i Linerless Laminate Patches</b>			
Clear	1 mil laminate patches for highly durable cards.	P630i, P640i	Hot Roll Laminator
World Globe Hologram Image	Holographic image of world globes randomly place, wallpaper design (1 mil only).	P630i, P640i	Hot Roll Laminator
<b>Hand Applied Laminate Patches</b>			
Genuine Secure Hologram Image	Holographic image that reads "Genuine" from one angle and "Secure" from another (2 mil only).	n/a	Applied by Hand to Each Card

**Important Note:**  
**"O" (Overlay) panel is NOT to be used when applying a laminate to the card.**



**Cleaning and Miscellaneous Supplies**

<b>Zebra Cleaning &amp; Miscellaneous Supplies</b>			
<b>Part Number</b>	<b>Description</b>	<b>No. Of Items</b>	<b>Suggested List Price (€)</b>
105912-302	Complete cleaning cartridge P205/210	1	66.00
105912-301	Adhesive cleaning rollers P100i/P205/210 / CardSense roller P110/120	Pack of 5	24.00
105912-002	Complete cleaning cartridge P310/310i/320i/420/420i/430i/520/520i	1	66.00
105912G-708	Complete cleaning cartridge P330i ONLY	1	66.00
105912-003	Adhesive cleaning rollers P310/310i/320i/330i/420/420i/430i/520/520i/720	Pack of 5	24.00
105926-055	Complete cleaning cartridge P720	1	66.00
800015-800	P620 cleaning tape	1	12.00
800015-802	P630/640 cleaning cartridge (cleans up to 3000 cards)	1	36.00
105909-169	Premier cleaning kit (cleaning cards & cleaning swabs)	50 cards / 25 swabs	44.00
105912-913	P330i/P430i premier cleaning kit	25 std card / 25 T card	66.00
104531-001	Cleaning card kit	100	70.00
105912G-707	"T Card" cleaning card kit	50	92.00
105912-912	P1XXi cleaning card kit	4 Print Engine / 4 Feeder	22.00
105909-057	Cleaning swab kit	25	26.00
800117-002	Cleaning pens	12	16.50
806503-001	Card punch (for lapel clip)	1	111.00
104527-001	Lapel clips	Pack of 100	37.00
105912-709	P330i/P430i high capacity feeder	1	111.00
105912-212	USB cable (6ft A-B type)	1	12.00
105927-426	P620 parallel cable (IEEE1284 HD)	1	26.00

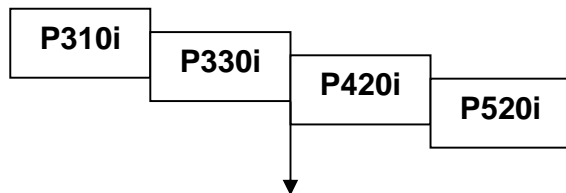
## Custom Holograms: Added Security to Meet Your Needs

All printed plastic cards containing any useful information are subject to counterfeiting, alteration, duplication and forgery. Card applications subject to these types of card threats should use custom security features on their plastic cards to reduce these risks. As an overt security feature and a card life extender a protective film referred to as a laminate or overlay varnish roll can be applied to most printed cards during the printing process and/or lamination process. The protective film can include unique security elements, such as: visual holograms, Optically Variable Inks, microtext, UV fluorescent images, guilloche patterns and metallic inks. Security images can be viewed as two or three dimensional picture that consists of a unique pattern that can change colour and/or shape when viewed at different angles. This technique used in the card printing industry is referred to as a Diffractive Optically Variable Image Device. The images can be customised to include a company logo, a unique emblem, seal and image or company name.

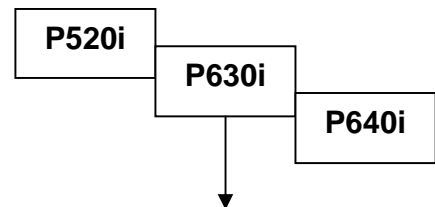
The protective film layer is made of either a polyester laminate or a varnish overlay ribbon material. These protective materials also help to increase the life (expected use) of a card by reducing dye migration, UV fading, abrasions caused by normal wear and excessive wear caused by magnetic stripe readers.

To order a custom security feature to fit your card application, you will first need to identify what printer will be used. This will help to identify what type of ribbon and what type of hologram and what type of layout or orientation of image on the card will be needed.

### *What type of printer am I going to use?*



**Varnish Overlay Ribbon**  
(Applied by printhead or hot roll laminator)



**Laminate Ribbon**  
(Applied by hot roll laminator)

***What type of ribbon do I want to order?***

***Varnish Overlay Ribbon:***

Recommended for applications requiring a low to minimum durability level, up to 2 year card life and minimal tamper resistance. Varnish overlay ribbon applies a thin layer of film to the card (edge-to-edge format). Varnish overlay is a polyester foil approximately 6 to 19 microns thick. The varnish material is applied by the printhead as a secondary process. Dye sub or mono printing is completed first by the print ribbon.

***Laminate Ribbon:***

Recommended for applications requiring a medium to high level of durability and tamper resistance. Has a 3 to 7 year card life. Laminates are applied directly to the card by a hot roll laminator. Laminates are made of polyester and are available in 0.6mil/15 microns & 1 mil/25 microns thickness. Carrier based laminate for P520i and Linerless or waste-less based laminate for P630/640i.

***What types of hologram image options are available?***

**Optically Variable Device Hologram – Level 1 (moderate security)**

**Varnish Overlay or Laminate**

Level 1 offers a low level of security. The image is originated from line art. The image will change colour depending upon the angle it is viewed at. Can incorporate one or two images. Colour is typically a rainbow format and the image can only be two-dimensional (300 to 400 dpi resolution).

**Optically Variable Device Hologram – Level 2 (medium security)**

**Varnish Overlay or Laminate**

Level 2 offers a medium level of security. The image is made up of a series of pixels or dots, which are exposed to laser light at multiple angles to achieve maximum brightness of the image. The image will change depending upon the angle it is viewed. Can incorporate one or two images. Colour is typically in a rainbow format and the image can only be two-dimensional (400 to 800 dpi resolution)

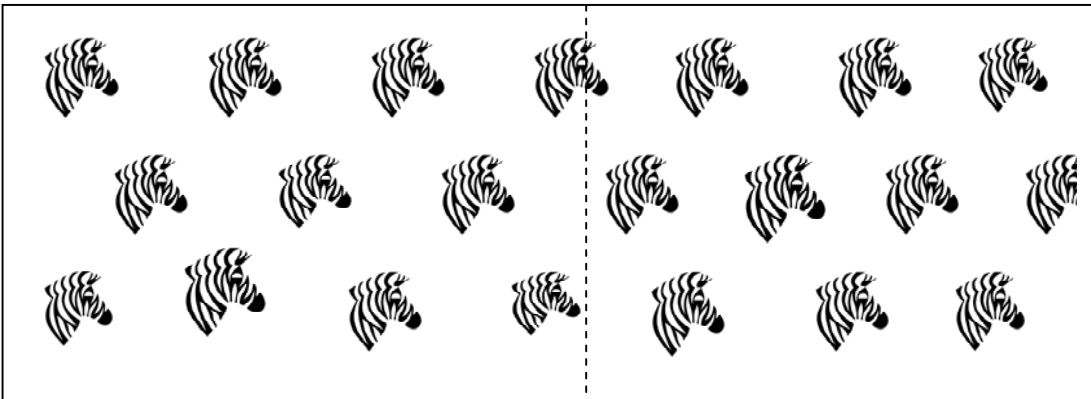
**Optically Variable Device Hologram – Level 3 (advanced security)**

**Laminate only**

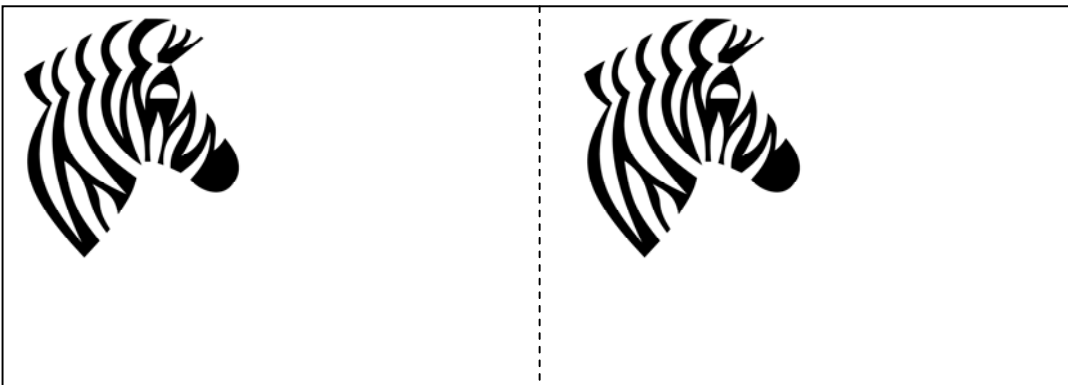
Level 3 offers the highest level of security by utilising additional security elements: Design a combination of 2 or 3 dimensional hologram with optically variable UV inks, holograms with microtext or nanotext etc. Various security elements can be positioned anywhere on the laminate to create a highly secure card (400 to 1200 dpi resolution). Some level 3 security features have additional costs. Contact your Zebra ISR for additional cost information or quotes.

## What image layout options are available?

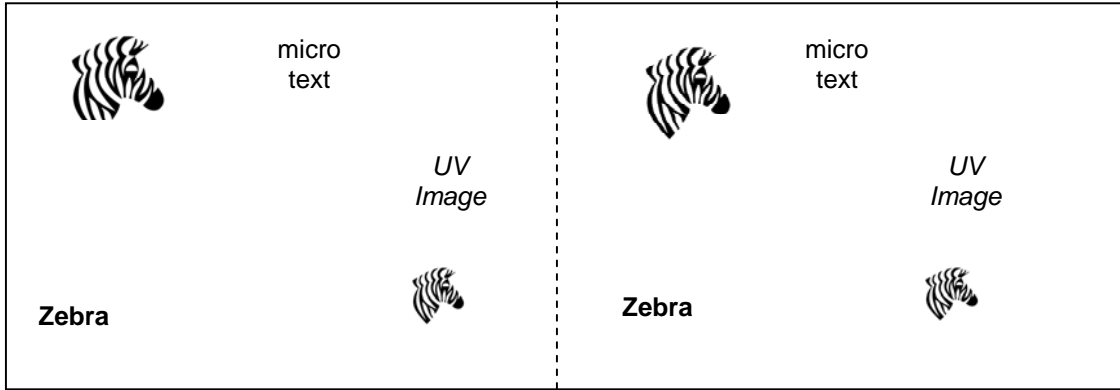
*Random Wallpaper:* (Level 1 & Level 2 only) – Hologram will be in a fixed position horizontally with a random repeat sequence vertically from card to card.



*Registered Hologram:* (Level 2 only) – Hologram will be in a fixed position horizontally and vertically with a fixed repeat sequence from card to card.

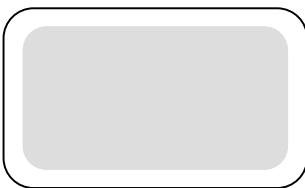


*Advanced Security Elements: (Level 3 only)* – Hologram with multiple security elements positioned horizontally and vertically, random or fixed repeats from card to card.

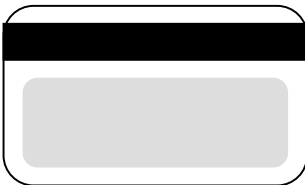


**What type of laminate do I need?**

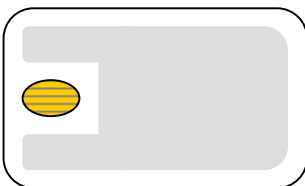
For laminate applications only, you will need to determine what type of laminate is needed. Your selections are full card patch, half patch for use with magnetic stripe cards, part for use with smart cards, mixed patches (full size & half size) and (smart card & half size). Mixed patches can only be used on a P520 printer/laminator. See images below, laminate coverage areas shown in grey.



**Full Card Laminate**



**Mag Stripe Card Laminate**



**Smart Card Laminate**

**Pricing and Quantity Minimums**

<b>Type Of Material</b>	<b>One Time Set-Up Fee (No Discounts Apply to Set-Up Fee)</b>	<b>List Price Per Roll (Usual Laminate Discount Applies)</b>	<b>Minimum Order Quantity</b>
Overlay Varnish Ribbon ( <b>Print Station</b> 350 images per roll)	€ 2,250	€45.00	100 rolls
Overlay Varnish Ribbon ( <b>Lam Station</b> 350 images per roll)	€2,250	€ 45.00	100 rolls
0.6mil Carrier-Based Laminate (160 patches per roll)	€ 2,600	€ 63.00	100 rolls
1mil Carrier-Based Laminate (100 patches per roll)	€ 2,600	€ 50.00	100 rolls
1mil Linerless Hologram Laminate P620/P630/P640 (600 patches per roll) <b>Random Wallpaper</b>	€ 2,600	€ 105.00	100 rolls
1mil Linerless Hologram Laminate P620/P630/P640 (600 patches per roll) <b>Registered Image</b>	€ 2,600	€ 120.00	100 rolls
1mil Linerless Laminate P720 (800 patches per roll)	€ 2,600	€ 180.00	50 rolls

The above set up fees serve as an indication of cost – set up fees are subject to change.

## **Custom Hologram Ordering Process**

### **Ordering your custom hologram (1 week)**

- 1) Decide which type of image and material you wish to order:  
Varnish Overlay with Hologram (applied by printhead or hot roller) **OR**  
Laminate with Hologram (applied by hot roller for P520/P640)
- 2) Decide which type of hologram (level 1, 2 or 3) you wish to order.
- 3) Design and submit artwork (as specified below) along with a purchase order (attached). All required fields must be completed. **Origination fees may vary depending upon design of custom image.** A customer unique part number will be assigned by Zebra Technologies for each custom order. **PO's may not be cancelled for any custom hologram order.**

### **Artwork Approval Process (2-3 weeks)**

- 4) Zebra will review artwork, confirm origination fees, provide customer with black and white artwork proof of custom image. Black and white proof will only show accurate size of images and dimensions and card layout. It will not show any colours of image.
- 5) Reseller will obtain end-users approval and return signed artwork proof to Zebra.
- 6) In some cases, where artwork is very detailed a shadow box proof may be required **for an additional fee of €185 (additional 2 weeks needed)**. Shadow box will show artwork colour and basic design layout.
- 7) Reseller to send back signed proof to Zebra for process to continue.

### **Production of Materials (6-10 weeks)**

- 8) Origination of hologram image, production of your material will begin upon receipt of approved artwork proof or if required after shadow box approval.

Lead time for the entire process is expected to be approximately 8-14 weeks, assuming that approvals occur according to schedule. Zebra will update you on expected ship date when artwork is agreed upon.

### **Artwork Specifications**

Below is a guide for creating your artwork file. Please contact us if you have any questions.

#### **ADOBE ILLUSTRATOR (latest version preferred)**

- Strongly recommended format for security patterns like guilloche, fine line printing, etc.
- High resolution file over 600 dots per inch (dpi) recommended.
- Define PMS colors and work in CMYK mode (if applicable)

#### **ADOBE PHOTOSHOP (latest version preferred)**

- Layers in high resolution 600 dpi or higher and CMYK mode.
- Delete layers that won't be used and specify colors if PMS or both.
- When clipping paths use your programs flatness feature, if provided. Keep the path simple and create your silhouetted bitmap with background as part of the image in Photoshop. If required to place logos or type in Photoshop, please leave them on separate layer.

#### **Digital Formats:**

Corel Draw (.cdr)	TIFF Bitmap (.tif)	Windows Bitmap (.bmp)
Corel Photo Paint (.cpt)	Encapsulated Postscript (.eps)	CompuServe Bitmap (.gif)
Paintbrush (.pcx)	Postscript Int. (.prn, .eps, .ps)	JPEG Bitmap (.jpg)
Adobe (.pdf, .ai, .psd)	Macintosh Picture (.pct)	MacPaint Bitmap (.mac)



Custom Laminate/Varnish Overlay Order Form

Section 1 – Customer Information

Company Name:  
 Tel/Fax:  
 Purchase Order Number:  
 Project/End-User Name:

Contact Name:  
 Email:  
 Date of Order:  
 To Be Used With Printer:  
*(if P640i MUST state upper or lower laminator)*

Section 2 – Type of Material

Types of Hologram – Level 1			
Material	Cards per Roll	Printer	Select One
Varnish Overlay (Print Station)	350	P310 P330 P420 P430 P520	
Varnish Overlay (Laminator)	350	P520	
1 mil Carrier Based Laminate	100	P520	
0.6 mil Carrier Based Laminate	160	P520	
1 mil Linerless Laminate	600	P630 P640	
Types of Layout – Level 1			Select One
Random Wallpaper Pattern			
Registered Hologram			

Types of Hologram – Level 2			
Material	Cards Per Roll	Printer	Select One
Varnish Overlay (Print Station)	350	P310 P330 P420 P430 P520	
Varnish Overlay (Laminator)	350	P520	
1 mil Carrier Based Laminate	100	P520	
0.6 mil Carrier Based Laminate	160	P520	
1 mil Linerless Laminate	600	P630 P640	
Types of Layout – Level 2			Select One
Random Wallpaper Pattern			
Registered Hologram			

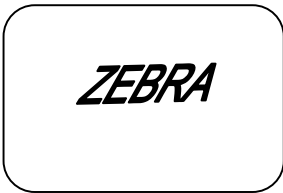
Types of Hologram – Level 3			
Material	Cards per Roll	Printer	Select One
0.6 mil Carrier Based Laminate	160	P520	
1 mil Carrier Based Laminate	100	P520	
1 mil Linerless Laminate	600	P630 P640	
Types of Layout – Level 3			Select One
Random Wallpaper Pattern			
Registered Hologram			
Other Security Features			

Type of Laminate	
Select Style	Select One
Full Card Laminate	
Mag Stripe Card Laminate	
Smart Card Laminate	
Mixed Patches (Full Card & Mag Stripe Card) <i>P520 ONLY</i>	
Mixed Patches (Smart Card & Mag Stripe Card) <i>P520 ONLY</i>	



**Custom Laminate/Varnish Overlay Order Form**

**Section 3 – Image Orientation** (*circle desired orientation*)



**Orientation 1**



**Orientation 2**



**Orientation 3**



**Orientation 4**

**Section 4 – Advanced Security Elements** (*if applicable*)



Indicate position of Advanced Security elements/image(s) showing dimensions from left and bottom edges.