

# Card Printers

## Professional ID Card Printers



### Rio™ Card Printer (PBVP35)

Built tough to withstand the hard work of high throughput jobs, but also ideal for low duty-cycle applications. Downloads and prints a single-sided full color card image (YMCKO) in less than 20 seconds using advanced bidirectional USB or parallel port.

### Tango™ Double-Sided Card Printer (PBVP35DO)

The leading printer for high volume printing applications. The Tango™ downloads and prints a double-sided, full color image in 40 seconds using advanced bi-directional USB or parallel port. Prints double-sided YMCKOK in around 30 seconds.

### Alto™ Card Printer (PBVP43)

The smallest and lightest in its class. This secure, entry-level, handfed printer downloads and prints a full color, edge-to-edge image in 30 seconds and features a HoloKote® RFID Custom Key™ facility.

### Sicura™ Laminator (PBVP35LAM)

Applies a tough, polyester overlamine onto pre-printed cards to protect against physical damage and tampering. Overlamine can feature a custom hologram logo. The Magicard™ Sicura™ can be used in tandem with Rio™ and Tango™ printers or as a stand alone laminator with the Alto™.

### Applications

- Access Control
- Barcoded Cards
- Business Cards
- Loyalty Cards
- Magstripe Cards
- Membership Cards
- Official Passes
- Photo ID Cards
- Visitor IDs

## FEATURES

### HoloKote™

Built-in security watermark comes free with every Rio™, Tango™ and Alto™ printer. For highest security and card forgery protection, custom logos can be programmed on a unique Custom Key (limited to custom text only on the Alto™).

### HoloPatch™

HoloPatch™ cards have a highly reflective gold “super diffuser” patch which is used in conjunction with the HoloKote™ anticounterfeiting feature to highlight a selected logo for distance visibility. The HoloPatch™ feature can also be applied to customer supplied prox cards if required.

### Full Bleed

Edge to edge, high-quality 300 dpi images. Supported by Rio™, Tango™ and Alto™

### Duplex Printing

Double-sided printing is supported by the Tango™ only.

### Mag Stripe

A dual coercivity HiCo/LoCo magstripe encoder option which offers encoding of all three tracks with complete user format flexibility (Alto™ is limited to HiCo and tracks 1 & 2).

### Chip Encoding

Optional ISO 7816 internal smart card chip encoding contact station with direct connection to a DB9 connector on the rear of the printer. Can be combined with the Magstripe Encoder option for Rio™ and Tango™ only.

### Biometric Encoding

Optional ISO 14443A or B contactless smart card encoder with variants for OmniSmart, I-Class, MIFARE and others. Ideal for biometrics, fares, vending and access control. Rio™ and Tango™ only.

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	Rio™/Tango™	Alto™
<b>Print Speed</b>	Rio™, single-sided: 20 seconds. Tango™, double-sided: 40 seconds.	Downloads and prints a full color edge-to-edge image in 30 seconds.
<b>Security Features</b>	HoloKote® anti-forgery protection preconfigured with UltraSecure® logo plus custom security mark when used with the optional HoloKote® Custom Key™. Use of HoloPatch™ cards produces high visibility security seal.	HoloKote® anti forgery mark across face of card. Custom security mark with optional Custom Key™. Use of HoloPatch™ cards produces high visibility security seal. Key controlled printing option with Custom Key™.
<b>Printer Interface</b>	IEEE standard 1284-1994 compatible (Centronics) parallel port and Universal Serial Bus (USB rev 1.1) port (user choice).	USB rev.1.1 (USB 2.0 compatible).
<b>Software</b>	Supplied with Windows 98, ME, NT4 and 2000, XP driver software.	Supplied with Windows 98, ME, 2000, XP driver software.
<b>Power Source</b>	Autoranging 90 to 265 VAC 47-63 Hz. 100 watts max. load.	External power "brick" for 90-265V 40-60Hz (autoranging).
<b>Dimensions</b>	Rio™: 7.5" W x 8.0"H x 17.5" L (190mm W x 200mm H x 445mm L). Tango™: 7.5" W x 8.0"H x 21.5" L (190mm W x 200mm H x 545mm L).	Alto™: 6.9" W x 8.86"H x 8.27" L (175mm W x 225mm H x 210mm L). Alto™ M: 6.9"W x 8.86"H x 10.04"L (175mm W x 225mm H x 255mm L).
<b>Card Stock</b>	ISO Standard CR80 Card Thickness 0.015" to 0.063" (0.38mm to 1.6mm).	50 30 mil (0.76mm) PVC cards in sealed one shot dispenser. Plain, HoloPatch™ and HiCo™ magstripe cards available.
<b>Card Capacity</b>	100 card feed hopper, 50 output stacker.	50 cards in external dispenser.
<b>Safety</b>	CE certified - UL listed (USA & Canada).	CE certified - UL listing pending (USA & Canada).

Magicard™, Rio™, Tango™, Alto™, Sicura™, UltraCoverplus™, HoloKote®, UltraShield® and UltraSecure® are trademarks of Ultra Electronics Limited. Windows '98 ME, NT4, 2000 and XP are trademarks of Microsoft Corporation. MIFARE™ is a registered trademark of Philips Electronics N.V. The information contained in this document reflects the current state of design and we reserve the right to change the specification without notice or obligation.

## ORDERING

**PBVP35**  
**PBVP35DO**  
**PBVP35MO**  
**PBVP35DM**  
**PBVP35LAM**  
**PBVP35CR1**

Rio™ Single-Sided Printer  
Tango™ Two-Sided Printer  
Rio™ with Magnetic Stripe Encoder  
Tango™ with Magnetic Stripe Encoder  
Sicura™ Laminator for PBVP35 Series  
Color Ribbon for PBVP35xx YMCKO - 350 Prints

**PBVP35CR2**

One Side Color & Second Side Black Only for Tango™ Only -YMCKOK - 300 Prints

**PBVP35CKM**

Cleaning Kit for PBVP35xx - 10 Cards/2 Pens/3 Cleaning Rollers

**PBVP35HKO**

Duplicate HoloKote® Key  
HoloKote® Set Up and Key

**PBVP35HKL**

Sicura™ Laminate Roll for 250 Cards - 1 Mil

**PBVP-8-LAM-RIB**

**PBVP43**  
**PBVP43MO**  
**PBVP43EDF**

Alto™ Single Card Printer  
Alto™ with Magnetic Stripe Encoder  
Alto™ YMCKO Film-100+2 Dispenser only Ready To-Fill 50-Card Capacity Dispensers for Loading Technology Cards

**PBVP43HCF**  
**PBVP43HMCF**  
**PBVP43MCF**  
**PBVP43PCF**  
**PBVP43SBCF**  
**PBVP43CK**  
**PBVP43HKS**

Alto™ YMCKO Film-100 HoloPatch®  
Alto™ YMCKO Film-100 HiCo™ HoloPatch®  
Alto™ YMCKO Film-100 HiCo™ PVC  
Alto™ YMCKO Film-100 PVC Card  
Alto™ YMCKO Film-100 Stickyback  
Alto™ Cleaning Kit (5 Cleaning Cards, 1 Pen)  
Alto™ HoloKote® Cust Key+Setup

**For more information:** [www.honeywell.com/security/uk](http://www.honeywell.com/security/uk)

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