

Secure ID solutions

## Tango 2e printer

Double-sided secure ID printer  
with Ethernet connectivity

Kalamazoo recommend a range of ID card printers ideal for the personalisation of cards for a wide range of identification purposes.

This range of printers is fully compatible with Kalamazoo's PositivID solution and together they will provide a robust and reliable ID card printing solution.

We can supply printers to suit a variety of environments, from low volume to high volume card issuers, single or double-sided print and full colour or monochrome.



### Double-sided ID card printer

The Tango 2e produces high security ID cards and is designed to effortlessly handle all volumes of card output.

The robust double-sided Tango 2e prints top quality images and offers customers an option for fully customisable HoloKote™ watermark protection. This special feature automatically prints a high security watermark into the overcoat panel during the print cycle. This HoloKote protection can be customised to your logo and text.

For further security the Tango 2e can also incorporate the HoloPatch™ - a highly visible gold seal using special card stock.

For extra protection you can also incorporate the Magstripe, smart card, MiFare, iclass encoding options available.

As standard the Tango 2e printer will print edge-to-edge (full bleed) and prints full colour and double sided within 46 seconds and monochrome in six seconds.

All printers within the Professional range are covered by the 3 years UltraCoverPlus warranty.

### Printer specifications

#### Printing

Print technology - Dye sublimation

Print speed - Colour 46 seconds double-sided, 6 seconds monochrome

Card thickness - 0.51mm to 1.6mm (20mil to 63mil)

Card capacity - 100 card feed hopper, 50 card output stacker

#### Consumables

Dye film -

LC1: 350 image YMCKO, dye film

LC3: 1000 image monochrome resin dye film (range of colours)

LC6: 600 image KO dye film, (black resin and overcoat)

LC8: 300 image YMCKOK dye film

Laminates - N/A

Cards - All standard PVC ISO CR80 cards. HiCo mag stripe and HoloPatch available.

Security (Use driver settings to activate HoloKote)

Security watermark - Standard or custom HoloKote®

Gold seal - HoloPatch® cardstock - ordered separately

Encoding (Please specify when ordering)

Magnetic stripe - HiCo and LiCo encoder ISO std. 7811 (Optional)

Smartcard encoder - Chip contact (Optional)

Prox. card (contactless) - Various contactless smart card options available

#### Printer

Printer interface - USB rev.1.1 (USB 2.0 compatible)

Drivers / software - Windows 2000, 2003, XP and Vista

Dimensions - Tango 2e (Part no. M9006-745);  
Tango M 2e (Part no. M9006-747)  
471mm W x 233mm H x 194mm D  
(18.5" W x 9.1" H x 7.6" D)

Warranty - 3 years UltraCoverPlus warranty (EU, North America and selected other territories).

Kalamazoo recommend five ID card printers from the professional series:

	PROFESSIONAL SERIES				
	Alto	Rio 2e	Tango 2e	Tango +L	Prima 3
<b>Printing</b>					
Print technology	Dye sublimation	Dye sublimation	Dye sublimation	Dye sublimation	Reverse-transfer
Feed system	Manual	Automatic	Automatic	Automatic	Automatic
Card capacity: hopper input / stacker output		100/50	100/50	100/50	300/100
Single-sided printer	M9006-380E	M9006-749E			Prima/138/E
Double-sided printer			M9006-745E	M9007-208E (240v) M9007-125E (115v)	Prima/140/E Prima/142/E (Plus)
<b>Encoding / Variants</b>					
Mag stripe encoding - tracks 1 & 2	M9006-381E				
Mag stripe encoding ISO 7811 - tracks 1, 2 & 3		M9006-751E	M9006-747E	M9007-215E (240v) M9007-214E (115v)	
Mag stripe HiCo / LoCo	HiCo	HiCo/LoCo	HiCo/LoCo	HiCo/LoCo	HiCo/LoCo
Contact Chip encoding		●	●	●	●
Contactless Mifare/iClass encoding		●	●	●	●
Contactless Legic encoding					●
Other configurations available on request (HID-Gemplus-Etag-Inside Technologies)		●	●	●	●
Batch operation					
Laminator				● (Integrated)	● (Module)
<b>Connectivity and Drivers</b>					
USB connection	●	●	●	●	●
Ethernet connection		●	●	●	●
Windows 2000/2003/XP/Vista	●	●	●	●	●
<b>Warranty</b>					
1 year limited					
2 year limited					
3 years UltraCoverPlus: FREE loaner service)	●	●	●	●	●
Printhead guarantee	3 years	3 years	3 years	3 years	Lifetime
<b>Visual security</b>					
HoloKote watermark - standard design	Waves	Ultra Secure logo	Ultra Secure logo	Ultra Secure logo	
HoloKote watermark - custom design	Text - 2 lines of 6 characters	Logo and text	Logo and text	Logo and text	Custom design
Custom holograms				●	●
UV film					●
HoloPatch® / Magstripe Cards	●	●	●	●	● (Magstripe only)
<b>Print speed</b>					
Colour (seconds)	30	22	22	82-120 inc.lamination	30-40(varies on model type)
monochrome (seconds)	6	6	6	6	
<b>Card thickness</b>					
mm	0.51 to 1.02	0.51 to 1.6	0.51 to 1.6	0.76	0.25 to 2.0/encoder to 1.4
ml	20 to 40	20 to 63	20 to 63	30	10 to 80/encoder to 55
<b>Dimensions</b>					
Width x Height x Depth : mm	175 x 200 x 211	194 x 233 x 370	194 x 233 x 471	700 x 260 x 300	340 x 381 x 340
Width x Height x Depth : inch	6.9 x 7.8 x 8.3	7.6 x 9.2 x 14.5	7.6 x 9.2 x 18.6	27.5 x 10 x 12	13.4 x 15 x 13.4
Weight Kg	3.2	7.2	8.3	20	22
Weight lb	7	15.8	18.3	44	48.5
<b>Maintenance</b>					
Cleaning kit	CK1	M9005-761	M9005-761	M9005-761	Prima/005

PROFESSIONAL SERIES