CARD PRINTING & ENCODING

FARGO® DTC4500

DIRECT-TO-CARD PRINTER

- **High-volume performance** – Built for organizations requiring robust, high-volume printing every day. Standard features include high-capacity ribbon supplies and dual-input card hoppers that allow for maximum card input capacity and management of multiple card types
- **Maximum security** – Optional single- or dual-sided simultaneous lamination offers enhanced card security and durability
- **Highly versatile** – The modular design allows organizations to build upon their investment by adding field-upgradable modules, such as dual-sided printing and technology card encoding
- **Earth friendly** – ENERGY STAR® certified for efficient energy consumption

The DTC4500 offers field-upgradable options for migration to higher levels of security in the future:

- Optional card lamination for applying overlaminates to produce high-secure cards that resist forgery and increase card durability; and unique, dual-sided simultaneous lamination also saves time with increased throughput.
- Dual-sided printing module provides more space for card holder information and security features like duplicate photo and digital-signature.
- Technology encoding modules encode data for magnetic stripe, proximity, contact (factory upgrade) and/or contactless technology cards, such as iCLASS®, for access control or other applications.

The versatility of the DTC4500 is unsurpassed from loyalty cards to sophisticated access cards with embedded electronics. Empowered by an extremely robust and highly-reliable print engine, this high-volume printer delivers speed, power and versatility rolled into one.

High capacity ribbons enable the DTC4500 to print twice as many full color cards than most printers before the ribbon has to be changed, providing continuous high quality-card printing and encoding.

The DTC4500 combines a high level of security with the convenience to easily print what you need, including:

- Built-in security with password-protected printer operation and fluorescent panel printing for a cost effective and dynamic increase in card security.
- SmartScreen™ graphical display provides easy-to-follow prompts to be sure you'll always know the status of the printer.
- Standard dual-input card hopper for increased capacity or management of multiple card types.
- Easy integration into existing IT infrastructures through the built-in Ethernet and USB connection, allowing for centralized or remote ID card issuance.
- Industry's first inline card printing and technology card encoding with one connection using USB or Ethernet connectivity.
- Fully compatible with Asure ID® card personalization software for badge design, database management and technology card encoding.

The FARGO® DTC4500 is built with Genuine HID™ technology and is fully interoperable with other products in the HID ecosystem, enabling organizations to leverage their existing HID technology investments.

SPECIFICATIONS

Print Method	Dye-Sublimation / Resin Thermal Transfer
Resolution	300 dpi (11.8 dots/mm) continuous tone
Colors	Up to 16.7 million / 256 shades per pixel
Print Ribbon Options	▪ Full-color with resin black and overlay panel, YMCKO*, 500 prints ▪ Full-color half-panel with resin black and overlay panel, YMCKO*, 850 prints ▪ Full-color with two resin black panels and overlay panel, YMCKOK*, 500 prints ▪ Full-color with fluorescing, resin black and overlay panel, YMCFKO*, 500 prints ▪ Full-color with fluorescing, two resin black panels and overlay panel, YMCFKOK*, 400 prints ▪ Full-color with two resin black panels and overlay panel, YMCKK*, 500 prints ▪ Resin black and overlay panel, KO*, 1250 prints ▪ Dye-sublimation black and overlay panel, BO*, 1250 prints ▪ Resin black (standard and premium), 3000 prints ▪ Resin green, blue, red, white, silver and gold, 2000 prints ▪ Rewrite technology - no ribbon required
Print Speed**	7 seconds per card (K*); 12 seconds per card (KO*); 24 seconds per card (YMCKO*); 31 seconds per card (YMCKOK*)
Accepted Standard Card Sizes	CR-80 (3.375″ L x 2.125″ W / 85.6 mm L x 54 mm W); CR-79 Adhesive Back (3.313″ L x 2.063″ W / 84.1 mm L x 52.4 mm W)
Print Area	CR-80 edge-to-edge (3.36″ L x 2.11″ W / 85.3 mm L x 53.7 mm W); CR-79 (3.3″ L x 2.04″ W / 83.8 mm L x 51.8 mm W)
Accepted Card Thickness	Print Only: .009″ - .040″ / 9 mil - 40 mil / .229 mm - 1.016 mm; Print/Lamination: .030″ - .040″ / 30 mil - 40 mil / .762 mm - 1.02 mm
Accepted Card Types	PVC or polyester cards with polished PVC finish; monochrome resin required for 100% polyester cards; optical memory cards with PVC finish; rewrite
Input Hopper Card Capacity	Dual-Input Card Hopper (200 cards)
Output Hopper Card Capacity	Up to 100 cards (.030″ / .762 mm)
Reject Hopper Card Capacity	Up to 100 cards (.030″ / .762 mm) - same-side input/output card hopper or lamination module required
Card Cleaning	Card cleaning roller integrated into ribbon cartridge; cleaning roller is automatically replaced with each ribbon change
Memory	32 MB RAM
Software Drivers	Windows® XP / Vista™ (32 bit & 64 bit) / Server 2003 & 2008 / Windows® 7 / MAC OS X 10.5/10.6 / Linux***
Interface	USB 2.0 and Ethernet with internal print server
Operating Temperature	65° to 80° F / 18° to 27° C
Humidity	20–80% non-condensing
Dimensions	Single-Sided Printer: 9.8″ H x 18.1″ W x 9.2″ D / 249 mm H x 460 mm W x 234 mm D Dual-Sided Printer: 9.8″ H x 18.7″ W x 9.2″ D / 249 mm H x 475 mm W x 234 mm D Printer + Lam: 18.9″ H x 18.7″ W x 9.2″ D / 480 mm H x 475 mm W x 234 mm D
Weight	Single-Sided Printer: 9lbs / 4.1 Kg; Dual-Sided Printer: 11lbs / 5 Kg; Printer + Lam: 20 lbs / 9.1 Kg
Agency Listings	Safety: UL 60950-1, CSA C22.2 (60950-1), and CE; EMC: FCC Class A, CRC c1374, CE (EN 55022 Class A, EN 55024), CCC, BSMI, KCC
Environmental Features	All configurations without a lamination module are ENERGY STAR® qualified printers
Supply Voltage	100-240 VAC, 3.3 A
Supply Frequency	50 Hz / 60 Hz
Warranty	Printer – Two years; Printhead – Two years, unlimited pass with UltraCard™
Encoding Options	125 kHz (HID Prox) reader; 13.56 MHz (iCLASS®, MIFARE®, ISO 14443 A/B, ISO 15693) read/write encoder; Contact Smart Card Encoder reads from and writes to all ISO7816 1/2/3/4 memory and microprocessor smart cards (T=0, T=1) as well as synchronous cards; ISO Magnetic Stripe Encoding, dual high- and low-coercivity, Tracks 1, 2 and 3
Options	Single Wire Ethernet and USB 2.0 interface for inline printing and encoding (note: single wire Ethernet encoding is only available for iCLASS® and contact smart card encoding); Dual-Sided Printing Module - Upgradable; Same-Side Input/Output Card Hopper - Upgradable; Contactless Smart Card Encoding - Upgradable; Contact Smart Card Encoding - Factory Upgrade; Magnetic Stripe Encoding - Upgradable; Printer Cleaning Kit; Single- or dual-sided simultaneous lamination - Upgradable
Software	Swift ID™ Embedded Badging Application, FARGO Workbench Diagnosis Utility
Display	User friendly, SmartScreen™ graphical display
Printer Security	Printer access password protected; Kensington® lock compatibility

* Indicates the ribbon type and the number of ribbon panels printed where Y=Yellow, M=Magenta, C=Cyan, K=Resin Black, O=Overlay, B=Dye Sublimation Black.

** Print speed indicates an approximate print speed and is measured from the time a card drops into the output hopper to the time the next card drops into the output hopper. Print speeds do not include encoding time or the time needed for the PC to process the image. Process time is dependent on the size of the file, the CPU, amount of RAM and the amount of available resources at the time of the print.

***Linux versions: Ubuntu 8.04/9.04, Red Hat 5, Fedora 7/8/9/10/11, Open Suse 10.3, Debian 5.03/5.04, Mandiva one 2009

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