FARGO® DTC4500e

Direct-to-Card Printer

The HID FARGO DTC4500e ID card printer is ideal for organizations requiring robust, high-volume printing every day. Standard features include high-capacity ribbon consumables and dual input card hoppers that allow for maximum card input capacity and the convenient management of multiple card types.

Designed for medium-to-large businesses, schools and local governments seeking high-volume, direct-to-card printing, the DTC4500e offers a powerful and reliable print engine that delivers on both speed and performance. Dual input hoppers and support for high-capacity ribbons enable the DTC4500e to print twice as many full-color cards than most comparable printers before consumables would require replenishing — keeping productivity high and operator maintenance low.

For improved card durability and security, the DTC4500e can be optionally equipped with a dual-sided lamination module that supports increased throughput via the unit's ability to laminate both sides of the card simultaneously.

The DTC4500e also boasts features that enhance the security of your overall card issuance program. Optional locking hoppers and user-defined passwords lock down printer access ensuring that unauthorized personnel cannot use the printer to print fraudulent cards or steal personal information, while AES-256 data encryption protects cardholder data while in transit, thus guaranteeing data integrity and authentication between PC and printer.

To further safeguard credentials, users can apply standard or custom holographic overlaminates and/or or leverage the printer's fluorescent panel printing — allowing issuers to include additional layers of card security as needs dictate.

With its optional internal print server, the DTC4500e also safeguards printing over a network — enabling secure, distributed card issuance in seconds.

Beyond its comprehensive feature set, the DTC4500e can also play a pivotal role in your green initiatives. GreenCircle® Certified for its efficient energy consumption, the DTC4500e was found to provide a 39 percent energy savings over comparable printers. What's more, the DTC4500's eco-friendly rewrite support allows card text to be erased and reprinted making it ideal for any organization that routinely issues temporary-use cards such as contractor or visitor badges.

Powerful, secure, versatile and eco-friendly, the DTC4500e is an ideal solution for organizations seeking to print superior-quality cards and IDs in higher volumes.

KEY FEATURES:

- High-quality output — Create exceptional-quality, visually rich and secure credentials on demand
- Simple plug-and-play — Leverage an intuitive SmartScreen interface for easy setup, consumables loading and operation
- Built-in security — Enjoy peace of mind with optional locks, built-in password protection and AES-256 encryption
- Earth-friendly — Support your green initiatives with GreenCircle Certified energy efficiency and support for eco-friendly (ECO) refill ribbons and rewritable cards

OPTIONAL FEATURES:

- Dual-sided printing
- Single-sided or dual-sided lamination
- Contact, contactless and mag stripe encoding
- Ethernet with internal print server
- Locking hoppers
- Same-side input/output

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FARGO® DTC4500e

HID FARGO DTC4500e featured with optional lamination

ADDITIONAL PRODUCT FEATURES

- FARGO Workbench™ printer maintenance and diagnostic software utility with inclusive Color Assist spot color matching
- Support for eco-friendly, refillable (ECO ribbons) and rewritable cards
- Interoperable with Asure ID® card personalization software for card/badge design, database management and technology card encoding

ENCODING OPTIONS

(Supported smart card and magnetic stripe technologies):

- 125kHz (HID Prox™) reader
- 13.56 MHz (iCLASS® Standard/SE/SR/Seos®, MIFARE Classic®, MIFARE Plus®, MIFARE DESFire®, MIFARE DESFire EV1/EV2, 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

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	The DTC4500e is compatible with a variety of economical, eco-friendly refill ribbons for the reusable ECO cartridge: • 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 two resin black panels, YMCKK*, 500 prints • Resin black (standard and premium), 3000 prints • Resin white, 2000 prints
Print Speed**	6 seconds per card (K*); 8 seconds per card (KO*); 16 seconds per card (YMCKO*); 24 seconds per card (YMCKOK*)
Security Features	Optional locking hoppers; password protection; AES 256 encryption
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; rewrite
Input Hopper Card Capacity	100 cards per input hopper (.030″ / .762 mm) – Dual input hopper standard on every unit for a total input capacity of 200 cards
Output Hopper Card Capacity	Single-sided: Up to 30 cards. Dual-sided: 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, 2012 / Windows® 7, 8 & 10 (32 & 64 bit)
Interface	USB 2.0, optional 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: 9 lbs. / 4.1 Kg; dual-sided printer: 11 lbs. / 5 Kg; printer + lam: 20 lbs. / 9.1 Kg
Agency Listings	Safety: UL 60950-2, CSA C22.2 (60950-07), and CE; EMC: FCC Class A, CE (EN 55022 Class A, EN 55024), CCC, BSMI, KC
Environmental Features	GreenCircle® Certified card printer (base models only without encoders), refillable supply cartridges (ECO), card rewrite support
Supply Voltage	100-240Vac, 50-60Hz, 1.6 Amps max
Supply Frequency	50 Hz / 60 Hz
Warranty	Printer: three years***; printhead: three years***, unlimited card passes with UltraCard™
Encoding Options (HID Encoders)	Supported smart card and magnetic stripe technologies: 125 kHz (HID Prox) reader; 13.56 MHz (iCLASS® Standard / SE / SR / Seos, MIFARE Classic®, MIFARE Plus®, MIFARE DESFire®, MIFARE DESFire EV1/EV2, 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
Supported Access Control Credential Programming	iCLASS Standard/SE/SR/Seos, MIFARE Classic, MIFARE DESFire EV1, HID Prox
Options	Dual-sided printing; single- or dual-sided lamination; same-side input/output card hopper; locking card input/output hopper; smart card encoding (contact/contactless); magnetic stripe encoding; printer cleaning kit; Ethernet with internal print server; secure proprietary consumables system
Software	FARGO Workbench™ diagnostic utility with Color Assist spot color matching
Display	User-friendly, SmartScreen graphical display

* Indicates the ribbon type and the number of ribbon panels printed where Y=yellow, M=magenta, C=cyan, K=resin black, O=overlay, F=fluorescing

** 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.

*** Three-year warranty available on printers and printheads with completion of online printer registration. (Two-year warranty standard on both printer and printheads without online printer registration.)

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