

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 maximize card input capacity and enable convenient management of multiple card types.

BUILT TO PRINT

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.

Designed for efficient energy use, the DTC4500e delivers measurable savings compared to similar offerings. In addition, the DTC4500e supports eco-friendly rewritable cards — helping ensure less material ends up in landfills and playing a pivotal role in your green initiatives.

Beyond its speed and efficiency, the printer's 300x600 dpi resolution support and an enhanced color profile enable you to create visually rich credentials that bring your brand to life. Moreover, the DTC4500e offers innovative printing features such as resin threshold. Resin threshold enables true K panel printing by allowing printer operators to manually set and adjust precisely when the resin is used, based on color concentration. As a result, text and barcodes are darker and more crisply defined.

Protecting what matters.

A built-in custom watermark overlay function allows for the application of a customized transparent security image — such as a logo, symbol or text — to be integrated as a permanent watermark within the printed card's overlay panel, making duplication virtually impossible. The DTC4500e custom watermark provides organizations with a cost-efficient way to significantly increase card security and thwart would-be counterfeiters without incurring additional costs.

The DTC4500e also comes equipped with a unique resin scramble data protection feature, providing an additional layer of security by hiding any information printed with a resin panel. Standard password protection and AES data encryption provide additional peace of mind.

To further safeguard credentials, users can apply standard or custom holographic overlaminates and/or leverage the printer's fluorescent panel (UV) printing, allowing issuers to add layers of card security as needed.

BUILT TO LAST

When you buy from HID, you're investing in peace of mind. With more than a million units installed worldwide, FARGO DTC printers are among the most trusted in the industry. Moreover, FARGO solutions are designed and built in ISO:9001-certified facilities and backed by global product warranties, ongoing printer health monitoring and superb technical support.

BUILT FOR MORE

Versatile and scalable, the DTC4500e supports in-field upgrades for encoding and dual-side printing — protecting your initial investment and supporting your organization as needs evolve.

Cloud-ready, the DTC4500e is compatible with HID FARGO Connect, a secure, cloud-based card printing platform. In addition to convenient, cloud-based issuance, the solution provides full printer visibility and control through its real-time dashboard, enabling you to proactively address printer maintenance and eliminate out-of-stock consumables.

The FARGO DTC4500e is also part of a larger ecosystem of solutions for access control and identity management, not available elsewhere.

Powerful, secure and versatile, the DTC4500e is an ideal solution for issuing high-volume, superior-quality credentials.



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** — Safeguard credentials and data with custom overlay watermarks, resin scramble data protection, AES encryption, password protection, fluorescent panel (UV) printing and optional locks
- **High-capacity consumables** — Yielding more images per roll, ribbon changes are required less frequently for increased productivity
- **Earth-friendly** — Support your green initiatives with energy efficiency and support for eco-friendly (ECO) ribbons and rewritable cards

OPTIONAL FEATURES:

- Dual-sided printing
- Single-sided or dual-sided lamination
- Field-upgradeable contact and contactless encoding
- Locking hoppers
- Same-side input/output

FARGO DTC4500e



HID FARGO DTC4500e featured
with optional lamination

ADDITIONAL PRODUCT FEATURES

- Built-in Ethernet and USB connection for centralized or remote ID card issuance
- Diagnostic software utility with Color Assist spot color matching tool conveniently integrated with printer driver
- Compatible 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 x 300 dpi (dots per inch) for standard color and monochrome printing 300 x 600 dpi (dots per inch) for optimized color and monochrome printing
Colors	Up to 16.7 million / 256 shades per pixel
Print Ribbon Options	The DTC4500e is compatible with a variety of economical, eco-friendly ribbons: • Full-color with resin black and overlay panel, YMCKO*, 700 prints • Full-color half-panel with resin black and overlay panel, YMCKO*, 1000 prints • Full-color with two resin black panels and overlay panel, YMCKOK*, 600 prints • Full-color with fluorescing, resin black and overlay panel, YMCFKO*, 600 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; custom watermark overlay; password protection; AES-256-GCM data encryption; resin scramble data protection; fluorescent panel printing
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	200 cards (.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® 10 / 11 / Server 2012 / Server 2016 / Server 2019 / Server 2022
Interface	USB 2.0, 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 10.2" D / 249 mm H x 460 mm W x 259 mm D Dual-sided printer: 9.8" H x 18.7" W x 10.2" D / 249 mm H x 475 mm W x 259 mm D Printer + lam: 18.9" H x 18.7" W x 10.2" D / 480 mm H x 475 mm W x 259 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, FCC, CSA, ISED, CE, BIS, WPC, MIC, NCC, KC, RCM
Environmental Features	Designed for energy efficiency, 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; secure proprietary consumables system
Software	Diagnostic utility with Color Assist spot color matching integrated with driver
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.



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