FARGO® DTC1500

Direct-to-Card Printer

The DTC1500 offers the convenience and lower cost of high-capacity consumables along with a comprehensive feature set and innovative, easy-to-implement security elements — enabling organizations to routinely issue highly secure cards and IDs at a fraction of the cost without sacrificing quality.

Designed for government, universities and colleges, K-12 schools, healthcare facilities, and small-to-medium corporations, the DTC1500 boasts distinctive security features. 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 DTC1500 custom watermark provides organizations with a cost-efficient way to significantly increase card security and thwart would-be-counterfeiters without additional investment in holographic overlaminates or foil cards.

The DTC1500 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 256 data encryption provide additional peace of mind.

Beyond robust security, the DTC1500 offers innovative printing features such as resin threshold. Resin threshold allows for true K panel printing by allowing printer operators to manually set and adjust precisely when the resin is utilized based on color concentration. As a result, text and barcodes are darker and more crisply defined.

What's more, built-in dual-side printing can be activated by simply using an RFID tag, making after-purchase upgrades virtually effortless. Due to its modular, scalable design, optional lamination or encoding modules can also be added at any time. Security, lower cost, innovation and versatility — they all come standard with the DTC1500.

KEY FEATURES:

- Innovative, built-in security features – Easy-to-implement security features such as resin scramble data protection and custom overlay watermark come standard on every unit
- Low-cost, high-capacity consumables – High-capacity, full- and half-panel color ribbons significantly lower cost-per-card and reduce total cost of ownership
- Highly versatile – Powerful printing in a modular, scalable design that simplifies in-field equipment upgrades and migration to higher levels of security
- Earth friendly – GreenCircle® Certified for efficient energy consumption and eco-friendly (ECO) refill ribbons

OPTIONAL FEATURES:

- Built-in dual-side printing can be activated with the simple use of an RFID tag making after-purchase upgrades virtually effortless
- Card lamination module for applying overlaminates to produce highly secure and durable cards
- Technology card encoders that allow you to easily migrate to contact and contactless smart card technologies (including but not limited to iCLASS SE® or MIFARE®) or simple magnetic stripe and proximity cards as needed

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HID

FARGO® DTC1500

HID FARGO DTC1500 featured with optional lamination

ADDITIONAL PRODUCT FEATURES

- Custom watermark overlay and resin scramble data protection
- Password-protected printer operation and AES data encryption
- High-capacity ribbon consumables
- Resin threshold
- Built-in Ethernet and USB connection for centralized or remote ID card issuance (Ethernet is optional on BIS-certified units)
- FARGO Workbench™ diagnostic utility for printer maintenance facilitation, including Color Assist spot-color matching
- Interoperable with Asure ID® card personalization software for 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	Wide array of eco-friendly, high-capacity print ribbons from K to YMCKOKO. Laminate patch options from full card coverage and half panel polyester overlaminates to off-the-shelf and fully custom holographic overlaminates are all available from HID. Available print ribbons include: • Full-color with resin black and overlay panel, YMCKO*, 500 prints • Full-color with two resin black panels and overlay panel, YMCKOK*, 500 prints • Full-color with two resin black panels, YMCKK*, 500 prints • Full-color half-panel with resin black and overlay panel, YMCKO*, 850 prints • Full-color half-panel with two resin black panels and overlay panel, YMCKOK*, 650 prints • Full-color half-panel with two resin black panels and overlay panels, YMCKOKO*, 500 prints • Resin black, K*, 3000 prints • Resin white, W*, 2000 prints
Print Speed**	6 seconds per card (K*); 16 seconds per card (YMCKO*); 24 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 (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	.009″ - .040″ / 9 mil - 40 mil / .229 mm - 1.016 mm
Accepted Card Types	PVC or polyester cards with polished PVC finish; 100% polyester cards (monochrome resin required); rewrite
Input Hopper Card Capacity	100 cards (.030″ / .762 mm)
Output Hopper Card Capacity	Up to 100 cards. (.030" / .762 mm)
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® 7, 8, 8.1 and 10 (32 bit & 64 bit) / Windows Server 2003, 2008, 2012
Interface	USB 2.0, Standard Ethernet with internal print server (Ethernet is optional on BIS-certified units)
Operating Temperature	65° to 80° F / 18° to 27° C
Humidity	20–80% non-condensing
Dimensions	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	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
Supply Voltage	100-240Vac, 50-60Hz, 1.6 Amps max
Supply Frequency	50 Hz / 60 Hz
Environmental Features	GreenCircle Certified card printer (base models only without encoders), refillable supply cartridges (ECO), and rewrite technology - no ribbon required
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
Options	USB 2.0 interface for inline printing and encoding; dual-sided printing module; single- or dual-sided lamination module; smart card encoding modules (contact/contactless); magnetic stripe encoding module; printer cleaning kit; secure proprietary consumables system
Software	FARGO Workbench diagnostic utility with Color Assist spot-color matching
Display	Color-changing status buttons

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

** 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 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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