



# FARGO® DTC4000



## DIRECT-TO-CARD PRINTER

- **Highly versatile** – Powerful printing in a modular and scalable design that simplifies equipment upgrades and migration to higher levels of security
- **Easy-to-use** – Efficient setup, supplies loading and printing with all-in-one print ribbon and card cleaning cartridge and SmartScreen™ graphical display
- **Enhanced security** – Standard printer password protection and fluorescent panel printing provide a cost-effective and dynamic means of increasing card security
- **Earth friendly** – ENERGY STAR® certified for efficient energy consumption

**The DTC4000 not only meets current needs, it also scales to meet future requirements with optional field-upgradeable modules:**

- Dual-sided printing module provides more space for cardholder information and security features like duplicate photo and digital signature.
- Optional same-side input/output card hopper and movable SmartScreen™ graphical display help fit the printer into tight spaces.
- Dual-input card hopper holds 200 cards for higher capacity printing and encoding.
- Optional Ethernet connectivity allows for remote printer sharing by many users.
- Technology card encoding modules for magnetic stripe, proximity, contact (factory upgrade) and/or contactless technology cards, such as iCLASS®, enable access control and other applications.

Designed for medium-sized businesses, schools and local government institutions seeking versatility in a convenient, professional and secure printer/encoder system, the DTC4000 is ideal for flexible, easy and reliable color printing and encoding of technology cards.

**The DTC4000 combines versatility with simplicity to easily print what you need including:**

- Sleek design with changeable footprint can accommodate office environments where space is an issue.
- SmartScreen™ graphical display with easy-to-follow prompts ensures you'll always know printer status.
- Eco-friendly erase and rewrite feature is ideal for creating temporary ID cards.

- Industry's first inline card printing and technology card encoding with one connection using USB or optional Ethernet connectivity.
- Fully compatible with Asure ID® card personalization software for badge design, database management and technology card encoding.

The FARGO® DTC4000 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



<b>Print Method</b>	Dye-Sublimation / Resin Thermal Transfer
<b>Resolution</b>	300 dpi (11.8 dots/mm) continuous tone
<b>Colors</b>	Up to 16.7 million / 256 shades per pixel
<b>Print Ribbon Options</b>	<ul style="list-style-type: none"> <li>▪ Full-color with resin black and overlay panel, YMCKO*, 250 prints</li> <li>▪ Full-color half-panel with resin black and overlay panel, YMCKO*, 350 prints</li> <li>▪ Full-color with two resin black panels and overlay panel, YMCKOK*, 200 prints</li> <li>▪ Full-color with fluorescing, resin black and overlay panel, YMCFKO*, 200 prints</li> <li>▪ Full-color with fluorescing, two resin black panels and overlay panel, YMCFKOK*, 175 prints</li> <li>▪ Resin black and overlay panel, KO*, 500 prints</li> <li>▪ Dye-sublimation black and overlay panel, BO*, 500 prints</li> <li>▪ Resin black (standard and premium), 1000 prints</li> <li>▪ Resin green, blue, red, white, silver and gold, 1000 prints</li> <li>▪ Rewrite technology- No ribbon is required</li> </ul>
<b>Print Speed**</b>	7 seconds per card (K*); 12 seconds per card (KO*); 24 seconds per card (YMCKO*); 31 seconds per card (YMCKOK*)
<b>Accepted Standard Card Sizes</b>	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)
<b>Print Area</b>	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)
<b>Accepted Card Thickness</b>	.009" - .040" / 9 mil - 40 mil / .229 mm - 1.016 mm
<b>Accepted Card Types</b>	PVC or polyester cards with polished PVC finish; monochrome resin required for 100% polyester cards; optical memory cards with PVC finish; rewrite
<b>Input Hopper Card Capacity</b>	100 cards (.030" / .762 mm)
<b>Output Hopper Card Capacity</b>	Up to 100 cards (.030" / .762 mm)
<b>Reject Hopper Card Capacity</b>	Up to 100 cards (.030" / .762 mm) - same-side input/output card hopper required
<b>Card Cleaning</b>	Card cleaning roller integrated into ribbon cartridge; cleaning roller is automatically replaced with each ribbon change
<b>Memory</b>	32 MB RAM
<b>Software Drivers</b>	Windows XP / Vista™ (32 bit & 64 bit) / Server 2003 & 2008 / Windows 7 / MAC OS X 10.5/10.6 / Linux***
<b>Interface</b>	USB 2.0, optional Ethernet with internal print server
<b>Operating Temperature</b>	65° to 80° F / 18° to 27° C
<b>Humidity</b>	20 - 80% non-condensing
<b>Dimensions</b>	Single-Sided Printer: 9.8" H x 17.6" W x 9.2" D / 249 mm H x 460 mm W x 234 mm D Dual-Sided Printer: 9.8" H x 18.2" W x 9.2" D / 249 mm H x 475 mm W x 234 mm D
<b>Weight</b>	Single-Sided: 8 lbs. / 3.63 kg; Dual-Sided: 10 lbs / 4.54 Kg
<b>Agency Listings</b>	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
<b>Environmental Features</b>	ENERGY STAR® qualified printer
<b>Supply Voltage</b>	100-240 VAC, 3.3 A
<b>Supply Frequency</b>	50 Hz / 60 Hz
<b>Warranty</b>	Printer - Two years; Printhead - Two years, unlimited pass with UltraCard™
<b>Encoding Options</b>	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
<b>Options</b>	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 - Upgradeable; Dual-Input Card Hopper (200 cards) - Upgradeable; Same-Side Input/Output Card Hopper - Upgradeable; Contactless Smart Card Encoding - Upgradeable; Contact Smart Card Encoding - Factory Upgrade; Magnetic Stripe Encoding - Upgradeable; Printer Cleaning Kit; Ethernet with Internal Print Server - Upgradeable; Secure Proprietary Consumables System
<b>Software</b>	Swift ID™ Embedded Badging Application, FARGO Workbench Diagnosis Utility
<b>Display</b>	User friendly, SmartScreen™ graphical display
<b>Printer Security</b>	Printer access password protected



\* 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, Mandriva one 2009

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