





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 fieldupgradeable 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



Resoution 30 odo (1/18 dot/m) continuous tone Colors Colors Up 10 16 7 million / 256 shades per pixel Pixel Color Million / 256 shades per pixel Million / 256 shades and overlay panel, YMCKOK / 256 prints Reside Shades (Accepted Shades of Million / 256 shades and overlay panel, YMCKOK / 256 prints Reside Shades per card (KY): 128 sconds per card (KY) Color pixel shades and overlay panel, YMCKOK / 256 prints Respect Shades per card (KY): 128 sconds per card (KY): 248 sconds per card (YMCKOY): 31 sconds per card (YMCKOY) Pixel Area Respect Shades per card (KY): 128 sconds per card (KY): 248 sconds per card (YMCKOY): 31 sconds per card (YMCKOY) Pixel Area Accepted Card Tipickes Accept		
Colors Up to 16.7 million / 256 shades per pixel Piclicolor with resin black and overlay panel, YMCKO*, 250 prints Pull-color with resin black and overlay panel, YMCKO*, 250 prints Pull-color with fluorescing, resin black and overlay panel, YMCKO*, 250 prints Print Ribbon Options	Print Method	Dye-Sublimation / Resin Thermal Transfer
## Fill-color with resin black and overlay panel, YMCKO*, 250 prints ## Fill-color with two resin black and overlay panel, YMCKO*, 250 prints ## Fill-color with two resin black and overlay panel, YMCKO*, 200 prints ## Fill-color with fluorescing, resin black and overlay panel, YMCKO*, 200 prints ## Fill-color with fluorescing, resin black panels and overlay panel, YMCKO*, 200 prints ## Fill-color with fluorescing, resin black panels and overlay panel, YMCKO*, 200 prints ## Fill-color with fluorescing, resin black panels and overlay panel, YMCKO*, 200 prints ## Resin plack and overlay panel, KO*, 300 prints ## Resin plack and overlay panel, WCKO*, 300 prints ## Resin plack and overlay panel, WCKO*, 200 prints ## Resin plack and overlay panel, WCKO*, 300 prints ## Resin plack (standard and premium), 1000 prints ## Resin plack (standard and premium), 1000 prints ## Resin plack and overlay panel, blue; and place place prints ## Resin plack and overlay panel, WCKO*, 31 suconds per card (YMCKO*) ## Accepted Standard Card Sizes ## Print Speed* ## Resin black (standard and premium), 1000 prints ## Resin black and overlay panel, 1000 prints ## Resin black and overlay panel, 1000 prints ## Resin black and overlay panel, 1000 prints ## Resin black and overlay panel, 1000 prints ## Resin black and overlay panel, 1000 prints ## Resin black and overlay panel, 1000 prints ## Resin black and overlay panel, 1000 prints ## Resin black and overlay panel, 1000 prints ## Resin black and overlay panel, 1000 prints ## Resin black and overlay panel, 1000 prints ## Resin black and overlay panel, 1000 prints ## Resin black and overlay panel, 1000 prints ## Resin black and overlay panel, 1000 prints ## Resin black and overlay panel, 1000 prints ## Resin black and over	Resolution	300 dpi (11.8 dots/mm) continuous tone
Print Ribbon Options Print Speed** Print Speed** Print Speed** Print Speed** Print Speed** Print Speed** Print Age Print Age	Colors	Up to 16.7 million / 256 shades per pixel
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 Ref-80 edge-to-edge (3.36" L x 2.11" W / 85.3 mm L x 53.7 mm W); CR-79 (3.35" L x 2.04" W / 84.8 mm L x 51.8 mm W) Accepted Card Trickness .009" - 0.40" / 9 mil - 40 mil / .229 mm - 1.016 mm 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 100 cards (0.30" / .762 mm) Output Hopper Card Capacity Up to 100 cards (0.30" / .762 mm) Reject Hopper Card Capacity Up to 100 cards (0.30" / .762 mm) Reject Hopper Card Capacity Up to 100 cards (0.30" / .762 mm) - same-side input/output card hopper required Card Cleaning Memory 32 MB RAM Software Drivers Interface Usb 2.0, optional Ethernet with internal print server 65" to 80" F / 18" to 27" C Hundidty 20 - 8.0% non-condensing Single-Sided Printer: 9.8" H x 176" W x 9.2" D / 249 mm H x 450 mm W x 234 mm D Dual-Sided Printer: 9.8" H x 176" W x 9.2" D / 249 mm H x 475 mm W x 234 mm D Weight Agency Listings 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, BSM, KCC Environmental Features Supply Frequency Warranty Encoding Options Options Options Options Options Software Agency Listings Software Softw	Print Ribbon Options	 Full-color half-panel with resin black and overlay panel, YMCKO*, 350 prints Full-color with two resin black panels and overlay panel, YMCKOK*, 200 prints Full-color with fluorescing, resin black and overlay panel, YMCFKO*, 200 prints Full-color with fluorescing, two resin black panels and overlay panel, YMCFKOK*, 175 prints Resin black and overlay panel, KO*, 500 prints Dye-sublimation black and overlay panel, BO*, 500 prints Resin black (standard and premium), 1000 prints Resin green, blue, red, white, silver and gold, 1000 prints
Print Area CR-80 edge-to-edge (3.56" L x 2.11" W / 85.3 mm L x 53.7 mm W); CR-87 (3.3" L x 2.04" W / 83.8 mm L x 51.8 mm W) Accepted Card Thickness	Print Speed**	7 seconds per card (K*); 12 seconds per card (KO*); 24 seconds per card (YMCKO*); 31 seconds per card (YMCKOK*)
Accepted Card Thickness 0.09° - 0.40° / 9 mil - 40 mil / .229 mm - 1.016 mm Accepted Card Types PVC or polyester cards with polished PVC finish; monochrome resin required forl00% polyester cards; optical memory cards with PVC finish; rewrite 100 cards (0.30° / .762 mm) 100 cards (0.30° / .762 m	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)
Accepted Card Types Input Hopper Card Capacity Input Hopper Card Capacity Output Hopper Card Capacity Up to 100 cards (.030" / .762 mm) Output Hopper Card Capacity Up to 100 cards (.030" / .762 mm) Output Hopper Card Capacity Up to 100 cards (.030" / .762 mm) Output Hopper Card Capacity Up to 100 cards (.030" / .762 mm) Same-side input/output card hopper required Card Cleaning Memory 32 MB RAM Software Drivers Interface Operating Temperature 65" to 80" F / 18" to 27" C Humidity 20 - 80% non-condensing Single-Sided Printer: 98" H x 17.6" W x 9.2" D / 249 mm H x 450 mm W x 234 mm D Dual-Sided Printer: 98" H x 18.2" W x 9.2" D / 249 mm H x 475 mm W x 234 mm D Safety: UL 60950-1, CSA C22.2 (60950-1), and CE; EMC: FCC Class A, CRC ci374, CE (EN 55022 Class A, EN 55024), CCC, BSMI, KCC Environmental Features Supply Voltage Warranty Printer - Two years; Printhead - Two years, unlimited pass with UltraCard** Printer - Two years; Printhead - Two years, unlimited pass with UltraCard** Single Warranty Printer - Two years; Printhead - Two years, unlimited pass with UltraCard** Single Wice Ethernet and USB 2.0 interface for inline printing and conducting frontes single wire Ethernet and USB 2.0 interface for inline printing and conducting frontes single wire Ethernet encoding is only available for iCLASS and contact smart card encoding); Dual-Sided Printing Single-Sided Printing and USB 2.0 interface for inline printing and contact smart card encoding); Dual-Sided Printing and Contact Smart Card Encoding - Upgradeable; Contact Smart Card Encoding - Factory Upgradeable; Secure Proprietary Consumables System Software Display User friendly, SmartScreen* graphical display User friendly, SmartScreen* graphical display User friendly, SmartScreen* graphical display	Print Area	
Input Hopper Card Capacity Output Hopper Card Capacity Up to 100 cards (030" / 762 mm) Reject Hopper Card Capacity Up to 100 cards (030" / 762 mm) Card Cleaning Card Cleaning Card Cleaning roller integrated into ribbon cartridge; cleaning roller is automatically replaced with each ribbon change Memory Software Drivers Windows' XP / Vista" (32 bit 8.64 bit) / Server 2003 & 2008 / Windows' 7 / MAC OS X 10.5/10.6 / Linux*** Interface Operating Temperature USB 2.0, optional Ethernet with internal print server Operating Temperature Software Drivers 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 Dula-Sided Printer: 9.8" H x 17.6" W x 9.2" D / 249 mm H x 457 mm W x 234 mm D Dula-Sided Printer: 9.8" H x 18.2" W x 9.2" D / 249 mm H x 457 mm W x 234 mm D Weight Single-Sided Sides / 36.3 kg; Dual-Sided: 10 lbs / 4.54 kg 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 Supply Voltage ENERGY STAR" qualified printer Burland Warranty Printer - Two years; Printhead - Two years, unlimited pass with UltraCard** Encoding Options Options Options Single-Sided Brinter Soft Hills Prox) reader; 13.56 MHz (ICLASS), MIFARE; ISO 14443 A/B, ISO 15693) read/write encoder; Contact Smart Card Encoding (note: single wire Ethernet encoding is only available for iCLASS and contact 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 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 pulgradeable; Printer Cleaning Kig Ethernet with Internal Print Server - Upgradeable; Secure Proprietary Consumables System Software Software Software Swift ID' Embedded Badging Application, FARGO' Workbench Diagnosis Utility User friendly, SmartScreen" graphical display	Accepted Card Thickness	.009"040" / 9 mil - 40 mil / .229 mm - 1.016 mm
Output Hopper Card Capacity Reject Hopper Card Capacity Up to 100 cards (.030" / .762 mm) - same-side input/output card hopper required Card Cleaning Card cleaning roller integrated into ribbon cartridge; cleaning roller is automatically replaced with each ribbon change Memory Software Drivers Windows' XP / Vista" (32 bit & 64 bit) / Server 2003 & 2008 / Windows' XP / Vista" (32 bit & 64 bit) / Server 2003 & 2008 / Windows' XP / Vista" (32 bit & 64 bit) / Server 2003 & 2008 / Windows' XP / Vista" (32 bit & 64 bit) / Server 2003 & 2008 / Windows' XP / WAC OS X 10.5/10.6 / Linux*** Interface USB 2.0, optional Ethernet with internal print server Operating Temperature 65" to 80" F / 18" to 27" C Hundidty 20 - 80% non-condensing Dimensions 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 Weight Single-Sided: 8 lbs. / 3.63 kg; Dual-Sided: 10 lbs / 4.54 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, BsMl, RCC Environmental Features Supply Voltage 100-240 VAC, 3.3 A Supply Frequency Warranty Frinter - Two years; Printhead - Two years, unlimited pass with UltraCard** Printer - Two years; Printhead - Two years, unlimited pass with UltraCard** 215 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 ISO 7816 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 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 Cleaning ikit; Ethernet with Internal Print Server - Upgradeable; Secure Proprietary Consumables System Software Software	Accepted Card Types	
Reject Hopper Card Capacity Card Cleaning Card cleaning roller integrated into ribbon cartridge; cleaning roller is automatically replaced with each ribbon change Memory Software Drivers Windows* XP / Vista* (32 bit & 64 bit) / Server 2003 & 2008 / Windows* XP / Vista* (32 bit & 64 bit) / Server 2003 & 2008 / Windows* XP / MAC OS X 10.5/10.6 / Linux*** Interface Operating Temperature 65° to 80° F / 18° to 27° C Humidity 20 - 80% non-condensing 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 Dial-Sided Printer: 9.8" H x 18.2" W x 9.2" D / 249 mm H x 475 mm W x 234 mm D Weight Single-Sided: 8 lbs. / 3.63 kg; Dual-Sided: 10 lbs / 4.54 kg Agency Listings CCC, BSMI, KCC Environmental Features Supply Voltage Supply Voltage 100-240 VAC; 3.3 A Supply Frequency 50 Hz / 60 Hz Warratty Finiter - Two years; Printhead - Two years, unlimited pass with UltraCard** 21 k Hz (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-a dow-coercivity, Tracks 1, 2 and 3 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 by Upgradeable; Poul-Input; Card Hopper - Upgradeable; Same-Side Input/Output Card Hopper - Upgradeable; Some-Side Input/Output Card Hopper - Upgradeable; Soure-Proprietary Consumables System Software Software Swift ID* Embedded Badging Application, FARGO* Workbench Diagnosis Utility User friendly, SmartScreen* graphical display	Input Hopper Card Capacity	100 cards (.030" / .762 mm)
Card Cleaning Memory 32 MB RAM Software Drivers Mindows' X P / Vista" (32 bit & 64 bit) / Server 2003 & 2008 / Windows' X P / Vista" (32 bit & 64 bit) / Server 2003 & 2008 / Windows' X P / Vista" (32 bit & 64 bit) / Server 2003 & 2008 / Windows' X P / Vista" (32 bit & 64 bit) / Server 2003 & 2008 / Windows' X P / Vista" (32 bit & 64 bit) / Server 2003 & 2008 / Windows' X P / Vista" (32 bit & 64 bit) / Server 2003 & 2008 / Windows' X P / Vista" (32 bit & 64 bit) / Server 2003 & 2008 / Windows' X P / Vista" (32 bit & 64 bit) / Server 2003 & 2008 / Windows' X P / Vista" (32 bit & 64 bit) / Server 2003 & 2008 / Windows' X P / Vista" (32 bit & 64 bit) / Server 2003 & 2008 / Windows' X P / Vista" (32 bit & 64 bit) / Server 2003 & 2008 / Windows' X P / Vista" (32 bit & 64 bit) / Server 2003 & 2008 / Windows' X P / Vista" (32 bit & 64 bit) / Server 2003 & 2008 / Windows' X P / Vista" (32 bit & 64 bit) / Server 2003 & 2008 / Windows' X P / Vista" (32 bit & 64 bit) / Server 2003 & 2008 / Windows' X P / Vista" (32 bit & 64 bit) / Server 2003 & 2008 / Windows' X P / Vista" (32 bit & 64 bit) / Server 2003 & 2008 / Windows' X P / Vista" (32 bit & 64 bit) / Server 2003 & 2008 / Windows' X P / Vista" (32 bit & 64 bit) / Server 2003 & 2008 / Windows' X P / Vista" (32 bit & 64 bit) / Server 200	Output Hopper Card Capacity	Up to 100 cards (.030" / .762 mm)
Software Drivers Windows' XP / Vista" (32 bit & 64 bit) / Server 2003 & 2008 / Windows' XP / Vista" (32 bit & 64 bit) / Server 2003 & 2008 / Windows' XP / Windows' XP / Vista" (32 bit & 64 bit) / Server 2003 & 2008 / Windows' XP / Windows' XP / Wista" (32 bit & 64 bit) / Server 2003 & 2008 / Windows' XP / Wista" (32 bit & 64 bit) / Server 2003 & 2008 / Windows' XP / Wista" (32 bit & 64 bit) / Server 2003 & 2008 / Windows' XP / Wista" (32 bit & 64 bit) / Server 2003 & 2008 / Windows' XP / Wista" (32 bit) / Windows' XP / Window	Reject Hopper Card Capacity	Up to 100 cards (.030" / .762 mm) - same-side input/output card hopper required
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, optional Ethernet with internal print server Operating Temperature 65° to 80° F / 18° to 27° C Hunidity 20 - 80% non-condensing 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 Weight Single-Sided: 8 lbs. / 3.63 kg; Dual-Sided: 10 lbs / 4.54 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 ENERGY STAR* qualified printer Supply Voltage 100-240 VAC, 3.3 A Supply Frequency Varranty Printer - Two years; Printhead - Two years, unlimited pass with UltraCard** Encoding Options Card Encoder reads from and writes to all ISO7816 [7/2/3] whemory 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 Single Wire Ethernet and USB 2.0 interface for inline printing and Module - Upgradeable; Dual-Input Card Hopper (200 cards) - Upgradeable; Same-Side Input/Output Card Hopper - Upgradeable; Contacts Smart Card Encoding - Factory Upgrade; Magnetic Stripe Encoding - Upgradeable; Printer Cleaning Kit; Ethernet with Internal Print Server - Upgradeable; Secure Proprietary Consumables System Software Display User friendly, SmartScreen* graphical display	Card Cleaning	Card cleaning roller integrated into ribbon cartridge; cleaning roller is automatically replaced with each ribbon change
Interface Operating Temperature 6° to 80° F / 18° to 27° C Humidity 20 - 80% non-condensing 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 Dimensions Single-Sided Printer: 9.8° H x 17.6° W x 9.2° D / 249 mm H x 475 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 Weight Single-Sided: 8 lbs. / 3.63 kg; Dual-Sided: 10 lbs / 4.54 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 ENERGY STAR° qualified printer 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™ 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 (12/3/4 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 Single Wire Ethernet and USB 2.0 interface for inline printing and conding 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; Contact Smart Card Encoding - Tectory Upgradeable; Secure Proprietary Consumables System Software Software Swift ID" Embedded Badging Application, FARGO' Workbench Diagnosis Utility User friendly, SmartScreen" graphical display	Memory	32 MB RAM
Operating Temperature Humidity 20 - 80% non-condensing Dimensions 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 Weight Single-Sided: 8 lbs. / 3.63 kg; Dual-Sided: 10 lbs / 4.54 Kg Agency Listings CCC, BSMI, KCC Environmental Features Supply Voltage Supply Frequency Warranty Printer - Two years; Printhead - Two years, unlimited pass with UltraCard™ Encoding Options Printer - Two years; Printhead - Two years, unlimited pass with UltraCard™ 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 ISO 7816 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 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; Dual-Sided Printing Module - Upgradeable; Printer Cleaning Kit; Ethernet with Internal Print Server - Upgradeable; Secure Proprietary Consumables System Software Software Display User friendly, SmartScreen graphical display	Software Drivers	
Humidity 20 - 80% non-condensing 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 Weight Single-Sided: 8 lbs. / 3.63 kg: Dual-Sided: 10 lbs / 4.54 kg Agency Listings Agency Listings CCC, BSMI, KCC Environmental Features Supply Voltage ENERGY STAR* qualified printer Supply Frequency Warranty Printer - Two years; Printhead - Two years, unlimited pass with UltraCard™ Encoding Options Encoding Options 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 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; Ontact Smart Card Encoding - Factory Upgrade; Magnetic Stripe Encoding - Upgradeable; Some-Side Input/Output Card Hopper - Upgradeable; Ontact Smart Card Encoding - Factory Upgrade; Magnetic Stripe Encoding - Upgradeable; Secure Proprietary Consumables System Software Swift ID" Embedded Badging Application, FARGO' Workbench Diagnosis Utility User friendly, SmartScreen" graphical display	Interface	USB 2.0, optional Ethernet with internal print server
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 Weight Single-Sided: 8 lbs. / 3.63 kg; Dual-Sided: 10 lbs / 4.54 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 Supply Voltage ENERGY STAR" qualified printer Supply Frequency 50 Hz / 60 Hz Warranty Printer - Two years; Printhead - Two years, unlimited pass with UltraCard™ 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 ISO/3816 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 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 Software Display User friendly, SmartScreen graphical display	Operating Temperature	65° to 80° F / 18° to 27° C
Weight Single-Sided Printer: 9.8" H x 18.2" W x 9.2" D / 249 mm H x 475 mm W x 234 mm D Weight Single-Sided: 8 lbs. / 3.63 kg; Dual-Sided: 10 lbs / 4.54 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 ENERGY STAR* qualified printer Supply Voltage 100-240 VAC, 3.3 A Supply Frequency 50 Hz / 60 Hz Printer - Two years; Printhead - Two years, unlimited pass with UltraCard™ 125 kHz (HID Prox) reader; 13.56 MHz (iCLASS*, MIFARE*, ISO 14443 A/B, ISO 15693) read/write encoder; Contact Smart Card Encoding Options 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 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 Upgradeable; Magnetic Stripe Encoding - Upgradeable; Printer Cleaning Kit; Ethernet with Internal Print Server - Upgradeable; Secure Proprietary Consumables System Software Display User friendly, SmartScreen® graphical display	Humidity	20 - 80% non-condensing
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 ENERGY STAR* qualified printer Supply Voltage 100-240 VAC, 3.3 A Supply Frequency Printer - Two years; Printhead - Two years, unlimited pass with UltraCard™ 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 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; Contact Smart Card Encoding - Factory Upgrade; Magnetic Stripe Encoding - Upgradeable; Printer Cleaning Kit; Ethernet with Internal Print Server - Upgradeable; Secure Proprietary Consumables System Software Swift ID* Embedded Badging Application, FARGO* Workbench Diagnosis Utility User friendly, SmartScreen* graphical display	Dimensions	
Environmental Features ENERGY STAR* qualified printer 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™ 125 kHz (HID Prox) reader; 13.56 MHz (iCLASS*, MIFARE*, ISO 14443 A/B, ISO 15693) read/write encoder; Contact Smart Card Encoding Options synchronous cards; ISO Magnetic Stripe Encoding, dual high- and low-coercivity, Tracks 1, 2 and 3 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 - Factory Upgrade; Magnetic Stripe Encoding - Upgradeable; Printer Cleaning Kit; Ethernet with Internal Print Server - Upgradeable; Secure Proprietary Consumables System Software Swift ID* Embedded Badging Application, FARGO* Workbench Diagnosis Utility User friendly, SmartScreen* graphical display	Weight	Single-Sided: 8 lbs. / 3.63 kg; Dual-Sided: 10 lbs / 4.54 Kg
Supply Voltage Supply Frequency 50 Hz / 60 Hz Printer - Two years; Printhead - Two years, unlimited pass with UltraCard™ 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 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 Software Swift ID** Embedded Badging Application, FARGO** Workbench Diagnosis Utility User friendly, SmartScreen** graphical display	Agency Listings	
Supply Frequency Warranty Printer - Two years; Printhead - Two years, unlimited pass with UltraCard™ 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 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 - Upgradeable; Contact Smart Card Encoding - Upgradeable; Printer Cleaning Kit; Ethernet with Internal Print Server - Upgradeable; Secure Proprietary Consumables System Software Swift ID** Embedded Badging Application, FARGO** Workbench Diagnosis Utility User friendly, SmartScreen** graphical display	Environmental Features	ENERGY STAR® qualified printer
Warranty Printer - Two years; Printhead - Two years, unlimited pass with UltraCard™ 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 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 Software Swift ID" Embedded Badging Application, FARGO' Workbench Diagnosis Utility User friendly, SmartScreen" graphical display	Supply Voltage	100-240 VAC, 3.3 A
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 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 Software Swift ID** Embedded Badging Application, FARGO** Workbench Diagnosis Utility User friendly, SmartScreen** graphical display	Supply Frequency	50 Hz / 60 Hz
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 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; 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 Software Swift ID" Embedded Badging Application, FARGO' Workbench Diagnosis Utility User friendly, SmartScreen" graphical display	Warranty	Printer - Two years; Printhead - Two years, unlimited pass with UltraCard™
options Option	Encoding Options	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
Display User friendly, SmartScreen" graphical display	Options	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 -
	Software	Swift ID™ Embedded Badging Application, FARGO® Workbench Diagnosis Utility
Printer Security Printer access password protected; Kensington' lock compatibility	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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