PRODUCT COMPARISON CHART

Direct-to-Card (DTC®) Printers/Encoders

	Professional Select	**Professional**	**Professional**
	DTC5500LMX	**DTC4500e**	**DTC4250e**
Starting MSRP	$7,499	$3,199	$2,899
Sided Printing	Single or dual	Single or dual	Single or dual
Print Method	Dye sublimation / resin thermal transfer	Dye sublimation / resin thermal transfer	Dye sublimation / resin thermal transfer
Resolution	300 dpi	300 dpi	300 dpi
Print Speed	225 cards per hour (YMCKO)	225 cards per hour (YMCKO)	225 cards per hour (YMCKO)
Accepted Card Sizes	CR-80 CR-79 adhesive back	CR-80 CR-79 adhesive back	CR-80 CR-79 adhesive back
Accepted Card Thickness	Print/lamination: .030 (30 mil) to .040 (40 mil) / .762 mm to 1.02 mm	Print only: .009˝ (9 mil) to .040˝ (40 mil) / .229 mm to 1.02 mm Print/lamination: .030˝ (30 mil) to .040˝ (40 mil) / .762 mm to 1.02 mm	.009˝ (9 mil) to .040˝ (40 mil) / .229 mm to 1.02 mm
Software Drivers	Windows® 7, 8, 8.1 and 10 (32 bit & 64 bit) / Windows Server 2003, 2008, 2012	Windows® XP / Vista™ (32 bit & 64 bit) / Server 2003, 2008, 2012 / Windows® 7, 8 & 10 (32 & 64 bit), MAC OS X 10.5/10.6/10.7/10.8/10.9/10.10 / Linux*	Windows® XP / Vista™ (32 bit & 64 bit) / Server 2003, 2008, 2012 / Windows® 7, 8 & 10 (32 & 64 bit) / MAC OS X 10.5/10.6/10.7/10.8/10.9/10.10 / Linux*
Size	Printer + lam: 12.9˝ H x 34.9˝ W x 9.3˝ D / 327.7 mm H x 866.5 mm W x 236.2 mm D	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	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	Printer + lam: 39 lbs / 17.7 kg	Single-sided printer: 9 lbs / 4.1 Kg Dual-sided printer: 11 lbs / 5 Kg Printer + lam: 20 lbs / 9.1 Kg	Single-sided: 8 lbs / 3.63 kg Dual-sided: 10 lbs / 4.54 Kg
Interface	USB 2.0 (high-speed) and Ethernet with internal print server	USB 2.0 (high-speed); Ethernet with internal print server	USB 2.0 (high-speed); Ethernet with internal print server
Color Capability	Full color/monochrome	Full color/monochrome	Full color/monochrome
Input Hopper	200 cards	200 cards	100 cards
Dual Hopper Capability	Yes (standard)	Yes (standard)	Yes (optional)
Output Hopper	100 cards	100 cards	100 cards
Encoding Options (HID Encoders)	ISO magnetic stripe encoding, dual high- and low-coercivity, Tracks 1, 2 and 3 smart card encoding: 125 kHz (HID Prox) reader; 13.56 MHz (iCLASS®, MIFARE Classic®, MIFARE Plus®, MIFARE DESFire®, MIFARE DESFire® EV1, 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 smart card encoding: 125 kHz (HID® Prox) reader; 13.56 MHz (iCLASS® Standard/SE/SR, MIFARE Classic®, MIFARE Plus®, MIFARE DESFire®, MIFARE DESFire® EV1, 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 -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
Lamination Available	Yes (standard)	Yes (optional)	No
Card Volume	High	High	Medium to High
Warranty	Printer – three years**; Printhead – three years, unlimited pass with UltraCard® One year On-Call Express™ (loaner printer, U.S. only)	Printer: three years** One year On-Call Express™ (loaner printer, U.S. only)	Printer: three years** One year On-Call Express™ (loaner printer, U.S. only)
Software Options	Asure ID®	Asure ID® Swift ID® (entry-level badging application included with printer)	Asure ID® Swift ID® (entry-level badging application included with printer)
Additional Features	iON™ lamination hardware pre-heat technology LMX wasteless lamination Ethernet with internal print server SmartScreen™ graphical display Dual-input card hopper (200 cards) FARGO Workbench™ printer diagnostic utility software (with Color Assist™ module) AES-256 data encryption capability	Single-wire Ethernet and USB 2.0 interface for inline printing and encoding Ethernet with internal print server SmartScreen™ graphical display Dual-input card hopper (200 cards) FARGO Workbench™ printer diagnostic utility software (with Color Assist™ module) Swift ID® free badging application AES-256 data decryption capability	Single-wire Ethernet and USB 2.0 interface for printing and encoding SmartScreen™ graphical display FARGO Workbench™ printer diagnostic utility software (with Color Assist™ module) Swift ID® free badging application AES-256 data decryption capability
Options	Single-wire Ethernet and USB 2.0 interface for inline printing and encoding (note: single-wire Ethernet encoding is only available for iCLASS®, MIFARE®, and contact smart card encoding) Contactless smart card encoding – upgradable Contact smart card encoding – upgradable Magnetic stripe encoding – upgradable Wireless connectivity WiFi module – upgradable Locking card input/output hoppers and ribbon drawer Secure proprietary consumables system Andon production status light Printer cleaning kit	Same-side input/output card hopper - upgradable Card lamination module: single-sided or dual-sided (simultaneous) - upgradable Contactless smart card encoding - upgradable Contact smart card encoding - upgradable Magnetic stripe encoding – upgradable Wireless connectivity – upgradable on Ethernet-enabled printers Locking input/output hoppers - upgradable Printer cleaning kit	Dual-sided printing module – upgradable Dual-input card hopper (200 cards) - upgradable Same-side input/output card hopper - upgradable Contactless smart card encoding - upgradable Contact smart card encoding - upgradable Magnetic stripe encoding - upgradable Wireless connectivity – upgradable on Ethernet-enabled printers Printer cleaning kit
Prints Rewritable and 10-Mil Cards	N/A	Yes	Yes
Fluorescent Panel Ribbon (UV Printing)	Yes	Yes	Yes
EZ Disposable Cartridge/ ECO Refillable Ribbon	Refillable ribbon only (ECO)	Refillable ribbon only (ECO)	Yes - disposable cartridge (EZ)
Password Protect	Yes	Yes	Yes
GreenCircle® Certified	Yes	Yes	Yes

*Call for Linux OS Availability
**Three-year warranty available with completion of online printer registration. (Two-year warranty standard without online printer registration.)

PRODUCT COMPARISON CHART

Direct-to-Card (DTC®) Printers/Encoders

	Professional Select	Standard	Value
	DTC1500	**DTC1250e**	**C50**
Starting MSRP	$2,299	$2,099	$1,799
Sided Printing	Single or dual	Single or dual	Single
Print Method	Dye sublimation / resin thermal transfer	Dye sublimation / resin thermal transfer	Dye sublimation / resin thermal transfer
Resolution	300 dpi	300 dpi	300 dpi
Print Speed	225 cards per hour (YMCKO)	225 cards per hour (YMCKO)	150 cards per hour (YMCKO)
Accepted Card Sizes	CR-80 CR-79 adhesive back	CR-80 CR-79 adhesive back	CR-80 CR-79 adhesive back
Accepted Card Thickness	.009˝ (9 mil) to .040˝ (40 mil) / .229 mm to 1.02 mm	.009˝ (9 mil) to .040˝ (40 mil) / .229 mm to 1.02 mm	.009˝ (9 mil) to .040˝ (40 mil) / .229 mm to 1.02 mm
Software Drivers	Windows® 7, 8, 8.1 and 10 (32 bit & 64 bit) / Windows Server 2003, 2008, 2012	Windows® XP / Vista™ (32 bit & 64 bit) / Server 2003, 2008, 2012 / Windows® 7, 8 & 10 (32 & 64 bit) / MAC OS X 10.5/10.6/10.7/10.8/10.9/10.10 / Linux*	Windows® XP / Vista™ (32 bit & 64 bit) / Server 2003, 2008, 2012 / Windows® 7, 8 & 10 (32 & 64 bit) / MAC OS X 10.5/10.6/10.7/10.8/10.9/10.10 / Linux*
Size	Printer only: 9.8" H x 18.7" W x 9.2" D / 249 mm H x 475 mm W x 234 mm D Printer/lamination: 18.9" H x 18.7" W x 9.2" D / 480 mm H x 475 mm W x 234 mm D	Single-sided printer: 8.8˝ H x 13.7˝ W x 7.9˝ D / 224 mm H x 348 mm W x 201 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	Single-sided printer: 8.8" H x 13.7" W x 7.9" D / 224 mm H x 348 mm W x 201 mm D
Weight	Dual-sided printer: 11 lbs / 5 Kg Printer + lam: 20 lbs / 9.1 Kg	Single-sided: 7.5 lbs / 3.4 Kg Dual-sided: 10 lbs / 4.54 Kg	Single-sided: 7.5 lbs / 3.4 Kg
Interface	USB 2.0, Standard Ethernet with internal print server (Note: Ethernet optional on BIS-Certified Units)	USB 2.0 (high-speed); optional Ethernet with internal print server	USB 2.0 (high-speed)
Color Capability	Full color/monochrome	Full color/monochrome	Full color/monochrome
Input Hopper	100 cards	100 cards	50 cards
Dual Hopper Capability	No	No	No
Output Hopper	Up to 100 cards (.030" / .762 mm)	30 cards	30 cards
Encoding Options (HID Encoders)	ISO magnetic stripe encoding, dual high- and low-coercivity, Tracks 1, 2 and 3 smart card encoding: 125 kHz (HID Prox) reader; 13.56 MHz (iCLASS® Standard/SE/SR, MIFARE Classic®, MIFARE Plus®, MIFARE DESFire®, MIFARE DESFire® EV1, 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 smart card encoding: 125 kHz (HID Prox) reader; 13.56 MHz (iCLASS® Standard/SE/SR, MIFARE Classic®, MIFARE Plus®, MIFARE DESFire®, MIFARE DESFire® EV1, 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	No encoding
Lamination Available	Yes (optional)	No	No
Card Volume	Medium to high	Low to medium	Low
Warranty	Printer: three years** Printhead: three years, unlimited pass with UltraCard®cards	Printer: three years** Printhead: three years, unlimited pass with UltraCard®cards	Printer: two years*** Printhead: two years, unlimited pass with UltraCard® cards
Software Options	Asure ID® Swift ID® (entry-level badging application included with printer)	Asure ID® Swift ID® (entry-level badging application included with printer)	Asure ID® and EasyLobby® Visitor management software Swift ID® (entry-level badging application included with printer) FARGO Workbench™ printer diagnostic utility software (no spot color matching)
Additional Features	Single-wire Ethernet and USB 2.0 interface for inline printing and encoding FARGO Workbench™ printer diagnostic utility software (with Color Assist™ module) Swift ID® free badging application AES-256 data decryption capability	Single-wire Ethernet and USB 2.0 interface for inline printing and encoding FARGO Workbench™ printer diagnostic utility software (with Color Assist™ module) Swift ID® free badging application AES-256 data decryption capability	FARGO Workbench™ printer diagnostic utility software (without Color Assist™ module) Swift ID® free badging applications
Options	Single wire Ethernet and USB 2.0 interface for inline printing and encoding are only optional on BIS-Certified Units (note: single wire Ethernet encoding is only available for iCLASS®, MIFARE®, and contact smart card encoding) - Ethernet-enabled printer supports wireless accessory; dual-sided printing module; smart card encoding modules (contact/contactless); magnetic stripe encoding module; printer cleaning kit; secure proprietary consumables system	Dual-sided printing – factory upgrade Smart card encoding (contact/contactless) – factory upgrade Magnetic stripe encoding – upgradable Ethernet with internal print server – factory upgrade Wireless connectivity – upgradable on Ethernet-enabled printers Printer cleaning kit	Printer cleaning kit
Prints Rewritable and 10-Mil Cards	Yes	Yes	Yes
Fluorescent Panel Ribbon (UV Printing)	No	No	No
EZ Disposable Cartridge/ ECO Refillable Ribbon	Refillable ribbon only (ECO)	EZ disposable cartridge and ECO refillable ribbon (Single-sided color and black resin only)	EZ disposable cartridge and ECO refillable ribbon (color and black resin only)
Password Protect	Yes	No	No
GreenCircle® Certified	Yes	Yes	Yes

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**Three-year warranty available with completion of online printer registration. (Two-year warranty standard without online printer registration.)
***Two-year warranty available with completion of online printer registration. (One-year warranty standard without online printer registration.)

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