

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



	Professional Select DTC5500LMX	Professional DTC4500e	Professional DTC4250e
<b>Starting MSRP</b>	\$6,499	\$3,199	\$2,899
<b>Sided Printing</b>	Single or dual	Single or dual	Single or dual
<b>Print Method</b>	Dye sublimation / resin thermal transfer	Dye sublimation / resin thermal transfer	Dye sublimation / resin thermal transfer
<b>Resolution</b>	300 dpi	300 dpi	300 dpi
<b>Print Speed</b>	225 cards per hour (YMCKO)	225 cards per hour (YMCKO)	225 cards per hour (YMCKO)
<b>Accepted Card Sizes</b>	CR-80 CR-79 adhesive back	CR-80 CR-79 adhesive back	CR-80 CR-79 adhesive back
<b>Accepted Card Thickness</b>	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
<b>Software Drivers</b>	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*
<b>Size</b>	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
<b>Weight</b>	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
<b>Interface</b>	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
<b>Color Capability</b>	Full color/monochrome	Full color/monochrome	Full color/monochrome
<b>Input Hopper</b>	200 cards	200 cards	100 cards
<b>Dual Hopper Capability</b>	Yes (standard)	Yes (standard)	Yes (optional)
<b>Output Hopper</b>	100 cards	100 cards	100 cards
<b>Encoding Options (HID Encoders)</b>	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 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 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 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 -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
<b>Lamination Available</b>	Yes (standard)	Yes (optional)	No
<b>Card Volume</b>	High	High	Medium to High
<b>Warranty</b>	Printer - three years; Printhead - three years, unlimited pass with UltraCard® One year On-Call Express™ (loaner printer, U.S. only)	Printer: three year One year On-Call Express™ (loaner printer, U.S. only)	Printer: three year One year On-Call Express™ (loaner printer, U.S. only)
<b>Software Options</b>	Asure ID®	Asure ID® Swift ID® (entry-level badging application included with printer)	Asure ID® Swift ID® (entry-level badging application included with printer)
<b>Additional Features</b>	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
<b>Options</b>	Two-material card lamination 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
<b>Prints Rewritable and 10-Mil Cards</b>	N/A	Yes	Yes
<b>Fluorescent Panel Ribbon (UV Printing)</b>	Yes	Yes	Yes
<b>EZ Disposable Cartridge/ECO Refillable Ribbon</b>	Refillable ribbon only (ECO)	Refillable ribbon only (ECO)	Yes - disposable cartridge (EZ)
<b>Password Protect</b>	Yes	Yes	Yes
<b>GreenCircle® Certified</b>	Yes	Yes	Yes

\*Call for Linux OS Availability



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



	Professional Select <b>DTC1500</b>	Standard <b>DTC1250e</b>	Value <b>C50</b>
<b>Starting MSRP</b>	\$2,299	\$2,099	\$1,799
<b>Sided Printing</b>	Single or dual	Single or dual	Single
<b>Print Method</b>	Dye sublimation / resin thermal transfer	Dye sublimation / resin thermal transfer	Dye sublimation / resin thermal transfer
<b>Resolution</b>	300 dpi	300 dpi	300 dpi
<b>Print Speed</b>	225 cards per hour (YMCKO)	225 cards per hour (YMCKO)	150 cards per hour (YMCKO)
<b>Accepted Card Sizes</b>	CR-80 CR-79 adhesive back	CR-80 CR-79 adhesive back	CR-80 CR-79 adhesive back
<b>Accepted Card Thickness</b>	.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
<b>Software Drivers</b>	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*
<b>Size</b>	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
<b>Weight</b>	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
<b>Interface</b>	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)
<b>Color Capability</b>	Full color/monochrome	Full color/monochrome	Full color/monochrome
<b>Input Hopper</b>	100 cards	100 cards	50 cards
<b>Dual Hopper Capability</b>	No	No	No
<b>Output Hopper</b>	Up to 100 cards (.030" / .762 mm)	30 cards	30 cards
<b>Encoding Options (HID Encoders)</b>	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
<b>Lamination Available</b>	Yes (optional)	No	No
<b>Card Volume</b>	Medium to high	Low to medium	Low
<b>Warranty</b>	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
<b>Software Options</b>	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)
<b>Additional Features</b>	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
<b>Options</b>	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
<b>Prints Rewritable and 10-Mil Cards</b>	Yes	Yes	Yes
<b>Fluorescent Panel Ribbon (UV Printing)</b>	No	No	No
<b>EZ Disposable Cartridge/ECO Refillable Ribbon</b>	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)
<b>Password Protect</b>	Yes	No	No
<b>GreenCircle® Certified</b>	Yes	Yes	Yes

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Learn about HID Global's green initiative @ [hidglobal.com/green](http://hidglobal.com/green)