DATASHEET

Entrust Datacard CR805 Retransfer Printer

HIGHLIGHTS

Designed for Possibilities

The Entrust® Datacard® (formerly Artista) CR805 Retransfer Printer provides stunning color with the speed, security features, and durability you need to create virtually any type of card on demand – right from your desktop.

- Superior image quality
- Module options including Lamination, Tactile Impression (TIM), and Multi-Hopper
- Issuance security architecture

KEY FEATURES & BENEFITS

Get a High-End Look for Every Card Design

- 600-dpi resolution retransfer printing provides precise, photo-quality imagery as well as microtext, bar codes, and other machine-readable elements
- Pigment ink prints lifelike skin tones so you can more accurately authenticate each cardholder to improve security
- Over-the-edge printing with retransfer technology allows you to print on multiple card types, including cards with built-in technology (e.g. EMV chips)
- Retransfer printing allows you to print the entire card design on demand, eliminating the need for pre-printed card stock. Retransfer printing allows you to print the entire card design on demand, eliminating the need for pre-printed card stock.

High Performance and Reliability

- Optimized printhead and dual-cam design minimizes print variations and ensures consistent outputs
- Quick warm-up for faster first card and overall print speed
- Cleaning cycle cadence at each ribbon swap ensures consistent operation
- Cleaning tool included with every printer ensures easy and repeatable printhead cleaning

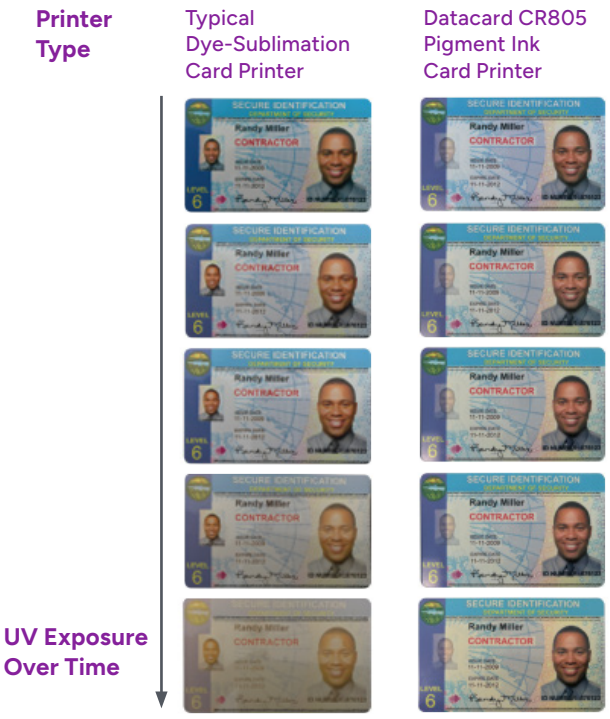
Unmatched Security

- Optional locks
- Secure boot protects system from malware or virus on boot-up
- Trusted Platform Module (TPM) manages the printer's own TLS/SSL certificates and keys
- Connection and data sent between software and printer is encrypted
- Customer data is encrypted and is not stored in the printer after printing is complete
- UV printing and other security features added to the cards protect from tampering and counterfeiting



Issue More Durable Cards and Save on Replacement Costs

- Pigment ink is resistant to UV fading for longer-lasting images
- Retransfer film adds a layer of durability; apply two layers for additional protection
- Optional inline lamination module provides enhanced durability
- Primerless ribbons have a unique pigment ribbon formation that does not require a primer panel, enabling faster print speeds of 110 cards per hour
- The combination of primerless ribbon and retransfer film improves card durability with up to 50% more adhesion and abrasion resistance
- Primerless ribbons offer cost savings as a value-priced solution over primer supply options



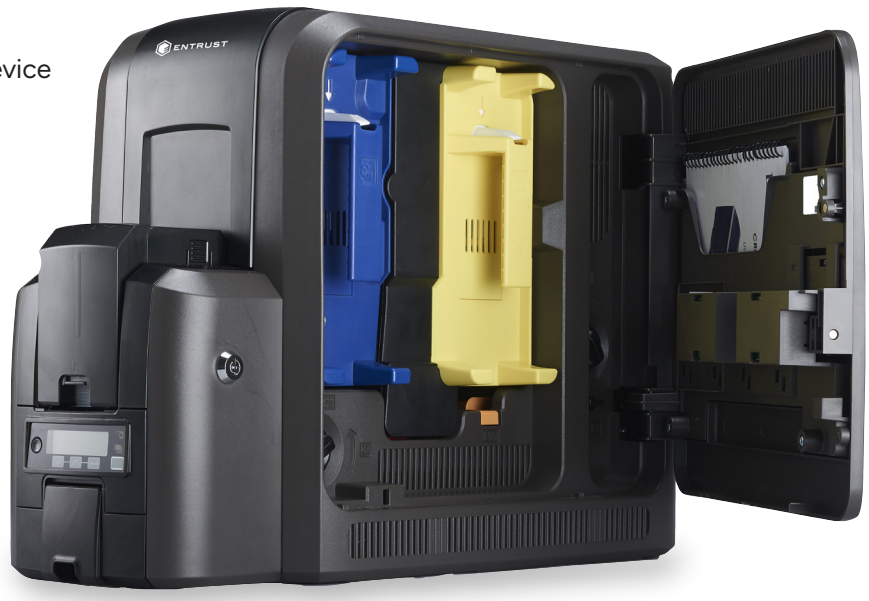
Use Its Versatility to Your Advantage

- Print on the card material that meets your needs and budget – from PVC to PVC composite, PC, or PET card types
- The only retransfer printer on the market offering color tactile printing with gold, silver, copper, black, white, and clear foil ribbons
- Optional inline lamination module and tactile impression module provide enhanced security to the card
- Expand your ID program as your needs change by adding multihopper, smart card capabilities, color tactile printing, and more
- Print anytime, anywhere with your mobile device (iOS, Android, Windows)

We Take Corporate Social Responsibility Seriously

- Environmentally focused features such as the quick warm-up and primerless ribbons save energy and reduce waste
- Soy inks and recycled cardboard for supply packaging, recyclable supply cores, and more
- Made in the USA at the Entrust Headquarters in Minneapolis, Minnesota





Technical Specifications

Standard Features and Specifications	
Print technology	Retransfer pigment ink
Print capabilities	Single or dual-sided, over-the-edge printing
Print resolution	600 dots per inch (dpi)
Print speed (full color printing)	Single-sided (CMYK) – up to 110 cards per hour (cph) Double-sided (CMYK-K) – up to 65 cards per hour (cph)
Color modes	True color (ICC) – prints color as close as possible to image as defined in the card design Legacy SR/CR – prints as close as possible to the SR200, SD300, and SR300e card printers Vivid – prints colors with higher saturation and contrast
Card capacity	Input hopper – up to 125 cards Output hopper – up to 25 cards (optional 125-card hopper) Card input size – 0.030 inches to 0.040 inches (0.76 mm to 1.01 mm)
Deployment method	On-premises
Operating environment	60°F-95°F (15°C-35°C)
Physical dimensions	Printer only: L 21.4 in. x W 10.1 in. x H 15.6 in. (L 54.3 cm x W 25.5 cm x H 39.7 cm) Printer in box: L 25.1 in. x W 14.3 in. x H 33 in. (L 63.8 cm x W 36.3 cm x H 57.2 cm)
Weight	28 lb. (12.7 kg); will vary with options
Connectivity	USB and Ethernet
Warranties	Printer: 36-month standard warranty Printhead: Limited lifetime warranty
Optional Features and Supplies	
Magnetic stripe encoding	ISO/IAT magnetic stripe encoding JIS magnetic stripe encoding
Multi-hopper	Six-compartment multi-hopper (Six 125-card hoppers, 750-card total capacity)
WiFi	WiFi type: 802.11g/n Authentication modes: None, WPA2 Personal Dual-band: 2.4GHz and 5GHz
Smart card encoding	Single wire – Contact ISO 7816 T=0, 1 Contactless ISO 14443 A/B Protocols, MIFARE Protocols & Felica (DES & AES) Loosely coupled – Contact ISSO 7816 T=-, 1 HID ICLASS, read/write or read-only encoder PC prox
Primerless color panel ribbons and retransfer film	CMYK 1,000 images single-sided (500 dual-sided) CMYK-K 1,000 images dual-sided Clear retransfer film 1,000 images single-sided (500 dual-sided)
Color ribbons with primer panel and retransfer film	CMYKP-KPi 500 images dual-sided FCMYP-KPi 750 images dual-sided Clear retransfer film 1,500 images single-sided (750 dual-sided) 1,000 images single sided (500 dual-sided)
Operating system support for printer driver	Windows 11, Windows 10, 32- and 64-bit Windows Server 2022, Windows Server 2019 Linux Ubuntu 20.04 LTS, Linux Kylin 10

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