

DATASHEET

Entrust Datacard CR805 Retransfer Printer With Tactile Impression Module

HIGHLIGHTS

Take Security and Card Design to New Levels of Personalization

The Entrust® Datacard® (formerly Artista) CR805 Retransfer Printer with Tactile Impression Module lets you easily personalize ID cards with high-resolution, full-color images and text, as well as with a unique color tactile printing technology.

- Superior image quality
- Expanded modularity
- Issuance security architecture
- Increased speed
- Increased durability
- Cloud compatible (coming soon)

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 technology cards
- On-demand printing means you can print exactly the design you need, eliminating the need for pre-printed cardstock
- Tactile impression module adds eye-catching features to your cards to help promote your brand and set it apart from the competition

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 cards protect from tampering and counterfeiting

Issue More Durable Cards and Save on Replacement Costs

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

Use its Versatility to Your Advantage

- Print on card material with a glossy PVC surface, either 100% PVC cards or composite cards with a PVC surface
- Choose from a variety of standard tactile impression dies or customize your own
- Add color tactile impression to cards without having to add a card lamination module
- The only retransfer printer on the market offering color tactile printing with gold, silver, copper, black & white, and clear foil ribbons

Flexibility and Scalability Built for the Future

- Issuance capabilities include physical cards
- On-prem deployment
- 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)



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 and color tactile 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) Tactile impression module: Single-sided printing and one front side impression: 46 cards per hour (cph) Double-sided printing and one front side impression: 29 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 Card input size – 0.030 inches to 0.040 inches (0.76 mm to 1.01 mm) Output hopper – up to 25 cards (Optional 125 cards)
Card size and material	Thickness: 0.010 inches to 0.030 inches (0.254 mm to 0.762 mm) Dimension: ID-1, CR80 Material: Use cards with a glossy PVC surface - 100% PVC cards or composite cards with a PVC
Operating environment	60°F - 95°F (15°C - 35°C)
Physical dimensions	Printer: L 21.4 in. x W 10.1 in. x H 15.6 in. / L 54.34 cm x W 25.7 cm x H 39.68 cm Printer with tactile impression module: L 29.8 in. x W 10.1 in. x H 25.6 in. / 75.7 cm x 25.7 cm x 65.0 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

Technical Specifications

Optional Features and Supplies	
Multi-hopper	Six-compartment multi-hopper (Six 125-card hoppers, 750-card total capacity)
Magnetic stripe encoding	ISO/IAT magnetic stripe encoding / JIS magnetic stripe encoding
WiFi	WiFi types: 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 ISO 7816 T=0, 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)
Tactile foil cassettes	Silver metallic – 1,000 impressions Gold metallic – 1,000 impressions Copper metallic – 1,000 impressions Black – 1,000 impressions White – 750 impressions Clear – 1,000 impressions
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)