



DATA SHEET

Entrust Artista RS4 Instant Issuance System

The Entrust Artista RS4 provides instant issuance of personalized financial cards with over-the-edge retransfer printing and encoding in one secure, streamlined printer.

HIGHLIGHTS

Elevate cardholder satisfaction with cutting-edge retransfer print technology

Enable your customers to use their new cards immediately with the cutting-edge Entrust Artista RS4 system – the latest evolution of our Artista retransfer card printing technology. Entrust's instant issuance solutions ensure that high-quality, long-lasting cards are available the instant they're needed.

Our advanced retransfer technology allows for:

- On-the-Spot Personalization: Cards can be designed and ready to print in minutes.
- Immediate Impact: High-quality cards can be printed, activated, and ready to use before your customer walks out the doors.

Our innovative system provides the ability to offer personalized products and services tailored to your cardholders' unique needs. With the RS4, you get a comprehensive and adaptable solution that integrates printing and encoding within a single, streamlined system.



RS4 SINGLE-HOPPER



RS4 MULTI-HOPPER



ENTRUST
SECURING A WORLD IN MOTION

KEY FEATURES & BENEFITS

A superior and vibrant solution that encapsulates your brand's essence with cards that are visually striking and durable

- Our specially designed pigment inks are crafted to create long-lasting, fade-resistant images, and we are excited to launch our latest innovation in primerless ribbons that offer quicker card printing, more cost-effective ribbon options, and enhanced durability.
- The RS4's precision in over-the-edge retransfer color printing ensures each card is a high-quality representation of your brand.
- For added resilience, an optional second layer of inline retransfer film is available to further fortify card durability.

Advanced solution with operational efficiency

- The RS4 streamlines card and inventory management, minimizes storage requirements, and reduces preprinting expenses by using blank card stock to print custom or standard cards on demand.
- The RS4 system's matched supplies are designed to deplete color ribbon and retransfer film rolls at an equal pace, promoting efficient printer management and a smart financial choice for your business.

Discover the RS4 system's expansive capabilities tailored to your diverse requirements

- With the ability to encode magnetic stripe, contact, and contactless EMV cards to ISO standards, the RS4 system stands out with its 600 dots per inch printing.
- This precision, coupled with pigment-based ink, produces vivid, long-lasting colors and designs that resist fading, setting a new standard in card quality.

Security is paramount

- Introducing Secure K, the feature that encrypts sensitive information for you and your cardholders, ensuring ribbon safety is no longer a concern.
- It offers dual-control access to safeguard card stock, supplies, and rejected cards, aligning with Visa and Mastercard security standards.
- Secure Boot cryptographically authenticates firmware, preventing printer operation if unauthorized modifications are detected.
- Trusted Platform Module (TPM) secures a factory-installed Entrust-backed TLS certificate.
- Network communication in accordance with NIST SP 800-52 Rev. 2 recommendations when using TLS 1.2 or 1.3 with strong cryptographic protocols.
- Zero Trust network support using RADIUS-enabled IEEE 802.1x password or certificate-based authentication.
- Trust in the RS4 system for a secure, versatile, and vibrant card issuance experience.

FEATURES AND SPECIFICATIONS

Print technology

- Retransfer pigment ink

Print resolution

- 600 dots per inch (DPI)
- This precision, coupled with pigment-based ink, produces vivid, long-lasting colors and designs that resist fading, setting a new standard in card quality

Print speed

- Single-sided (CMYKR): up to 110 cards per hour
- Dual-sided (CMYK-Ki): up to 65 cards per hour

Print capabilities

- One- or two-sided printing
- Over-the-edge, full-card printing
- Full-color images

Color Modes

- True Color (ICC) – prints colors of the image as defined in the card design
- Legacy SR/CR – close match to the CR500 Instant Issuance System
- Vivid – printer colors with higher saturation and contrast

Card Capacity

- Card thickness: 0.030 inches (0.76mm): ISO ID1/CR-80
- Concealed hopper and card reject tray
- (Optional) Multi-hopper: Six-compartment multi-hopper; six 125-card hoppers; 750-card total capacity

Magnetic Strip encoding

- IAT/ISO magnetic stripe encoding
- JIS magnetic stripe encoding upgrade kit available
- HiCo/LoCo 1, 2, and 3 track encoding

EMV smart card encoding

- Ethernet and USB
- Single-wire connectivity
- Contact/Contactless read/write EMV encoding
- ISO 7816 T=0 & T=1
- ISO 14443 A/B

Security Features

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- Trusted Platform Module (TPM) secures a factory-installed Entrust-backed TLS certificate
- Network communication in accordance with NIST SP 800-52 Rev. 2 recommendations when using TLS 1.2 or 1.3 with strong cryptographic protocols
- Zero Trust network support using RADIUS enabled IEEE 802.1x password or certificate-based authentication
- Bolt-down provision for securing printer to work area
- Kensington-style lock compatible (lock sold separately)
- Concealed output hopper and card reject tray

LCD Display

- Displays printer status
- Access to printer status
- QR code to support seamless self-service through how-to videos and helpful resources

WiFi (Optional Features)

- Standards: 802.11g/n/ac
- Frequencies: 2.4GHz & 5GHz
- Authentication modes: WPA2 Personal, WPA2 Enterprise

Built-in card debowing feature with user-friendly operation

- Automatic card feed
- Quick-change ribbon cartridge assemblies
- Color-coded supplies

Warranties

- 36-month system warranty

Single Hopper

Physical Dimensions (depth x width x height)

- 21.6 in x 10.1 in x 15.6 in
(54.9 cm x 25.65 cm x 39.62 cm)

Weight

- 28 lb (12.7 kg); with options will vary

Multi-Hopper

Physical Dimensions (depth x width x height)

- 25.6 in x 13.4 in x 16.2 in
(65.1 cm x 34 cm x 41.1 cm)

Weight

- 28 lb (12.7 kg); with options will vary

Card types accepted

- ISO/CR-80 size
- 3.370 in x 2.125 in
(85.6 mm x 53.98 mm)
- PVC, PVC composites, PET, PET-G

Operating environment

- 60° F to 95° F (15° to 35° C)
- 20% to 80% non-condensing humidity.

Storage environment

- 5° F to 131° F (-15° to 55° C)
- 20% to 80% non-condensing humidity

Electrical requirements (dual-voltage, autosensing)

- 100/120 V, 50/60 Hz
- 220/240 V, 50/60 Hz

Supplies

Color ribbons

- CMYK-Ki: 500 images
- CMYKR: 1,000 images

Clear retransfer film—two options:

- Gloss: 1,500 images (single-sided),
500 images (double-sided)
- Satin: 1,500 images (single-sided),
500 images (double-sided)

Note: Two layers of film for front side for financial card level durability

Software Compatibility

Compatible with Entrust Instant Financial Issuance

Optional Configuration

The RS4-ES1 Instant Issuance System, equipped with an advanced Embossing Module, is engineered for excellence with proprietary print ribbons and retransfer materials designed specifically for this model.