

## DATASHEET

# Sigma DS3 With 600 dpi Direct-to-Card Printer

### HIGHLIGHTS

#### Entrust Sigma DS3 with 600 dpi printer: Next-generation, pixel-perfect precision

Industry-leading, high-resolution direct-to-card printing and issuance security solution.

- **True high-resolution 600 x 600 dpi printing** for incredibly crisp, detailed character and photo definition.
- Fast ID, high-resolution, patent-pending card issuance solution with color card printing up to 210 cards per hour.

Entrust Sigma ID Card Printers are specifically designed to give you the ability to easily issue secure identities.

- **Simple:** From unboxing to issuing ID cards and mobile flash passes to managing your printer, we made sure Sigma was the most user-friendly ID card issuance solution in the world.
- **Secure:** Our industry-leading issuance security architecture will keep your cards and your customers' data safe and secure each step of the issuance process.
- **Smart:** Forward-thinking technology and scalability allow you to expand your ID card program as your needs evolve.

### KEY FEATURES & BENEFITS

#### The new standard in highest quality desktop printing – brilliance and clarity

The new capabilities of the Entrust Sigma DS3 with 600 dpi printer offer amazing high-fidelity printing of characters far beyond Latin character writing systems.

- Small accents, smooth execution of printed signatures, and the ability to **render a true encyclopedia of global languages** make the Entrust Sigma DS3 with 600 dpi printer stand out among direct-to-card printers.
- Entrust has elevated our sophistication and innovation with leading-edge, patent-pending technology in the Sigma DS3 with 600 dpi, enabling remarkably high-quality desktop direct-to-card printing.
- Intuitive printer dashboard lets you see printer status, order supplies, check cleaning status, update firmware, or contact help – all from your mobile device.
- Variable LED light ring allows you to incorporate brand colors or other customization into your ambient environment.

## Unmatched security

- The Entrust Sigma DS3 with 600 dpi printer supports rendering complex fonts, **miniature QR codes, and micro-sized security printing.**
- Enhanced security remains a cornerstone with Secure Boot and TLS/SSL encryption as well as enhanced durability options.
- UV printing, holographic laminates, luster printing (visible iridescent + UV fluorescence), and tactile impressions can be added to cards to protect against tampering and counterfeiting.
- 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. **Highly valued where visual accuracy and presentation matter. Elevating brand presentation and trust.**

## Flexibility and scalability built for the future

- Enhanced issuance capabilities for card issuance to meet your business needs.
- Expand your ID program as your needs change by adding multi-hopper, smart card capabilities, tactile impressing, and more.
- Seamless self-service lets you access how-to videos and other helpful resources by simply scanning a QR code on the LCD display.
- Innovative **patented “printhead protector” feature shields the printhead** during ribbon replacement or printer servicing, which helps to extend the printhead life. This enables you to easily fix the issue at hand without having to worry about damaging the printhead.
- Optional locks protect card stock and supplies.



300 x 300 dpi printing  
Common market print resolution

Industry-leading Entrust Sigma DS3 with  
600 dpi printer high-fidelity print resolution



## Optional Features & Supplies

Magnetic stripe encoding	ISO 7811 three-track support (high- and low-coercivity) JIS Type II single-track option	
Multi-hopper	Six compartment multi-hopper (six 125-card hoppers, 750-card total capacity)	
WiFi	Standards: 802.11g/n/ac Frequencies: 2.4GHz & 5GHz Authentication modes: WPA2 Personal, WPA2 Enterprise	
Smart card encoding*	Single wire or loosely coupled: <ul style="list-style-type: none"> <li>• Contact smart card encoding: ISO 7816 T=0 (T=1), Class A 5V (3V and 1.8V)</li> <li>• Contactless smart card encoding: ISO 14443 A/B, ISO 15693, MIFARE, MIFARE DESFire EV1/EV2, HID Prox, iClass, iClass SE, iClass Seos, Felica</li> </ul>	
Panel Print Ribbons**	<b>Refill options:</b> YMCKT 500 images YMCKT-KT 350 images KTT 750 images YMCKT 250 images ymcKT 650 images YMCKT-KT 350 images ymcKT-KT 435 images KT 1,000 images YMCKF-KT 300 images YMCKL-KT 300 images	<b>Overlays and films</b> Clear or holo topcoat: 1,000 images DuraGard® clear or holo laminate (0.5, 0.6, or 1 mil): 350 images DuraGard® clear or holo laminate (1.0 mil): 300 images Clear DuraShield™ overlay***: 500 images  <b>Tactile foil cassettes</b> Silver metallic, gold metallic, copper metallic, and black gloss: 1,000 images White gloss: 750 images
Monochrome ribbons	Black, white: 2,500 average images	

\*Compatibility with specific features of new card technologies should always be confirmed.

\*\* Color ribbon guide: Y=Yellow, M=Magenta, C=Cyan, K=Black, T=Topcoat, F=UV fluorescent, L=Luster, y=1/2 panel Yellow, m=1/2 panel Magenta, c=1/2 panel Cyan.

\*\*\*For use in conjunction with in-line T-panel print ribbon and laminator overlay.

Panel print ribbon yields stated are typically the maximum number of panel sets per roll.

Average image per roll. Actual ribbon yields may vary due to user individual image printing. Yield may be greater with Entrust monochrome ribbon saver features.

Actual yields may vary based upon print length and other factors.

