



ENTRUST



# Sigma DS3 Direct-to-Card Printer

## HIGHLIGHTS

### Sigma: The next generation of direct-to-card printing

Entrust Sigma ID Card Printers are specifically designed for today's cloud environments and give you the ability to easily issue secure identities.

- **Simple:** From unboxing to issuing ID cards and mobile flashpasses 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 world's most user-friendly ID card printer

- Intuitive printer dashboard lets you see printer status, order supplies, check cleaning status, update firmware, or contact help – all from your mobile device
- Seamless self-service lets you access how-to videos and other helpful resources by simply scanning a QR code on the LCD display
- Variable LED light ring lets you incorporate brand colors or other customization into your ambient environment
- Optional pre-loaded ribbon cassettes make switching ribbons easy
- Innovative patented printhead protector feature shields the printhead during ribbon replacement or printer servicing, which helps to extend the printhead life. Enables you to easily fix the issue at hand without having to worry about damaging the printhead.



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## 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
- Luster printing and other security features added to cards protect from tampering and counterfeiting

## Flexibility and scalability built for the future

- Issuance capabilities include physical cards and digital mobile flashpass
- Choose on-premises or cloud-hosted deployment
- Expand your ID program as your needs change by adding multi-hopper, smart card capabilities, color tactile printing, and more
- Print anytime, anywhere with your mobile device (iOS, Android, Windows)





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## TECHNICAL SPECIFICATIONS

### Standard Features & Supplies

Print technology	Dye-sublimation/resin thermal transfer	
Print capabilities	Single- or dual-sided, rewritable technology	
Print resolution	300 dots per inch (dpi) (300 X 600, 300 X 1200)	
Monochrome printing	Up to 1,100 cards per hour single-sided	
Print speed	Single-sided color ribbon: up to 250 cards per hour (cph) Double-sided color ribbon: up to 180 cards per hour (cph)	
Card capacity	Input hopper: 125 cards Output hopper: 25 cards	
Card sizes	Thickness: 0.010 inches to 0.040 inches (0.25mm - 1.016mm) Dimension: ID-1, CR-79, CR-80	
Operating environment	Temperature: 60°F to 95°F (15°C to 35°C) Humidity: 20-80% RH - non condensing	
Physical dimensions	L 17.4 in x W 8.9 in x H 9 in / 44.2 cm x 22.6 cm x 22.9 cm	
Weight	12.1 lbs (5.49 kg); varies with options	
Connectivity	USB and Ethernet	
Warranty	36 months	
Web browser support for Instant ID as a Service	Chrome - Preferred Edge/Internet Explorer Safari	
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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## 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	WiFi types: 802.11g/n Authentication modes: None, WPA2 Personal Dual-band 2.4GHz & 5GHz																										
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>																										
Color ribbons*	<p>Prefilled print ribbon cassettes:</p> <table><tr><td>YMCKT</td><td>500 images</td></tr><tr><td>YMCKT-KT</td><td>350 images</td></tr><tr><td>KTT</td><td>750 images</td></tr><tr><td>ST-KT</td><td>500 images</td></tr><tr><td>GT-KT</td><td>500 images</td></tr></table> <p>Refill print ribbon kits:</p> <table><tr><td>YMCKT</td><td>250/500 images</td></tr><tr><td>ymcKT</td><td>650 images</td></tr><tr><td>YMCKT-KT</td><td>350 images</td></tr><tr><td>ymcKT-KT</td><td>435 images</td></tr><tr><td>KT</td><td>1,000 images</td></tr><tr><td>KTT</td><td>750 images</td></tr><tr><td>YMCKF-KT</td><td>300 images</td></tr><tr><td>YMCKL-KT</td><td>300 images</td></tr></table>	YMCKT	500 images	YMCKT-KT	350 images	KTT	750 images	ST-KT	500 images	GT-KT	500 images	YMCKT	250/500 images	ymcKT	650 images	YMCKT-KT	350 images	ymcKT-KT	435 images	KT	1,000 images	KTT	750 images	YMCKF-KT	300 images	YMCKL-KT	300 images
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Monochrome ribbons	Black, white, blue, red, green, scratch-off, silver matte, gold matte, silver metallic, and gold metallic: 1,500 images																										

\* 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, S=Silver matte, G=Gold matte.

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

Monochrome print ribbon yields stated are the minimum achievable per roll. Actual yields may be more than 3 times greater due to Entrust monochrome ribbon saver features.

