



Sigma DS3 Direct-to-Card Printer with Card Lamination Module

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 help protect your cards and your customers' data during 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
- Pre-loaded ribbon cassettes make switching ribbons easy



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Unmatched security

- 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
- Security features added to cards protect from tampering and counterfeiting:
 - UV printing
 - Holographic laminates
 - Luster printing

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, WiFi connectivity, 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
Print resolution	300 dots per inch (dpi) (300 X 600, 300 X 1200)
Print, lamination, and tactile speed	• Front side YMCK ribbon with front side lamination: Up to 210 cards per hour • Front side YMCK-K ribbon with front side lamination and back side K: Up to 185 cards per hour • Front side YMCK ribbon with lamination and tactile: Up to 195 cards per hour • Dual-sided YMCK K ribbon with lamination and tactile: Up to 160 cards per hour • Monochrome printing: Up to 1,100 cards per hour, single-sided
Card capacity	Input hopper: 125 cards Output hopper: 25 cards Reject hopper: 10 cards
Card sizes	Thickness: 0.030 inches (0.762mm) Dimension: ID-1, CR-80
Operating environment	Temperature: 60°F to 95°F (15°C to 35°C) Humidity: 20-80% RH - non-condensing
Physical dimensions	L 23.8 in x W 10.6 in x H 20.4 in / 60.4 cm x 27 cm x 51.9 cm
Weight	30 lbs (13.62 kg); varies with options
Connectivity	USB and Ethernet
Warranty	36 months





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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	
WiFi	Standards: 802.11g/n/ac Frequencies: 2.4GHz & 5GHz Authentication modes: WPA2 Personal, WPA2 Enterprise	
Smart card encoding*	Single wire or loosely coupled: • Contact smart card encoding: ISO 7816 T=0 (T=1), Class A 5V (3V and 1.8V) • Contactless smart card encoding: ISO 14443 A/B, ISO 15693, MIFARE, MIFARE PLUS, MIFARE® DESFire EV1/EV2/EV3, HID Prox, iClass, iClass SE, iClass Seos, Felica	
Color ribbons**	YMCKT ymcKT YMCKT-KT KT KTT ST-KT YMCKF-KT YMCKL-KT ST-KT GT-KT YMCK & YMCK-KK	250/500 images 650 images 350 images 1,000 images 750 images 500 images 300 images 300 images 500 images 500 images 500 images
Monochrome ribbons	Black, white, blue, red, green, scratch-off, silver matte, gold matte, silver metallic, and gold metallic: 2,500 images	
Overlays and films	Clear or holo topcoat: DuraGard® clear or holo laminate (0.5, 0.6, or 1 mil): DuraGard® clear or holo laminate (1.0 mil): Clear DuraShield™ overlay***:	1,000 images 350 images 300 images 500 images
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

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

***For use in conjunction with laminator module topcoats or overlays.



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