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

Learn more about the Sigma DS3 printer at entrust.com

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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

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

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	WiFi types: 802.11g/n Authentication modes: None, WPA2 Personal Dual-band 2.4GHz and 5GHz
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® DESFire EV1/EV2, HID Prox, iClass, iClass SE, iClass Seos, Felica
Color ribbons*	YMCKT 250/500 images ymcKT 650 images YMCKT-KT 350 images KT 1,000 images KTT 750 images YMCKF-KT 300 images YMCKL-KT 300 images ST-KT 500 images GT-KT 500 images YMCK & YMCK-KK 500 images
Monochrome ribbons	Black, white, blue, red, green, scratch-off, silver matte, gold matte, silver metallic, and gold metallic: 2500 images
Overlays and films	Clear or holo topcoat: 1000 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
Operating system support for printer driver	Windows 11 Linux Ubuntu 20.04 LTS Windows 10, 32 and 64-bit Linux Kylin 10 Windows Server 2022 Windows Server 2019

* 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