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

- 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.

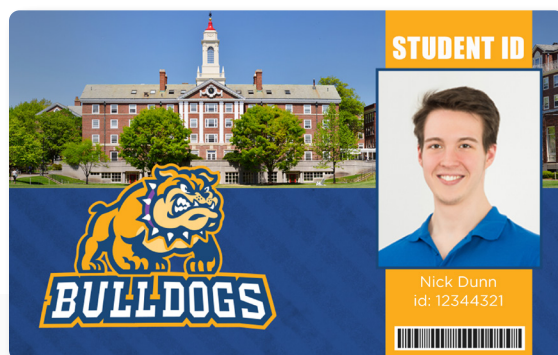**Learn more about the Sigma DS3 printer at entrust.com**

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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)

STUDENT ID

BULLDOGS

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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)
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: 0.010 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 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
Web browser support for Instant ID as a Service	Chrome - Preferred Edge/Internet Explorer Safari
Operating system support for printer driver	Windows 10 versions, 32- and 64-bit Windows 8.1, 32- or 64-bit Windows Server 2019 Windows Server 2016 Windows Server 2012, R2, 64-bit

TECHNICAL SPECIFICATIONS

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 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*	Prefilled print ribbon cassettes: YMCKT 500 images YMCKT-KT 350 images KTT 750 images ST-KT 500 images GT-KT 500 images Refill print ribbon kits: 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 YMCK** 500 images YMCK-K** 500 images
Monochrome ribbons	Refill print ribbon kits in black, white, blue, red, green, scratch-off, silver matte, gold matte, silver metallic, and gold metallic: 1500 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

* 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

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.

Learn more at
entrust.com

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