Sigma DS2 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 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 the 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 DS2 printer at entrust.com

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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

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 smart card capabilities, WiFi connectivity, and more

- Print anytime, anywhere with your mobile device (iOS, Android, Windows)
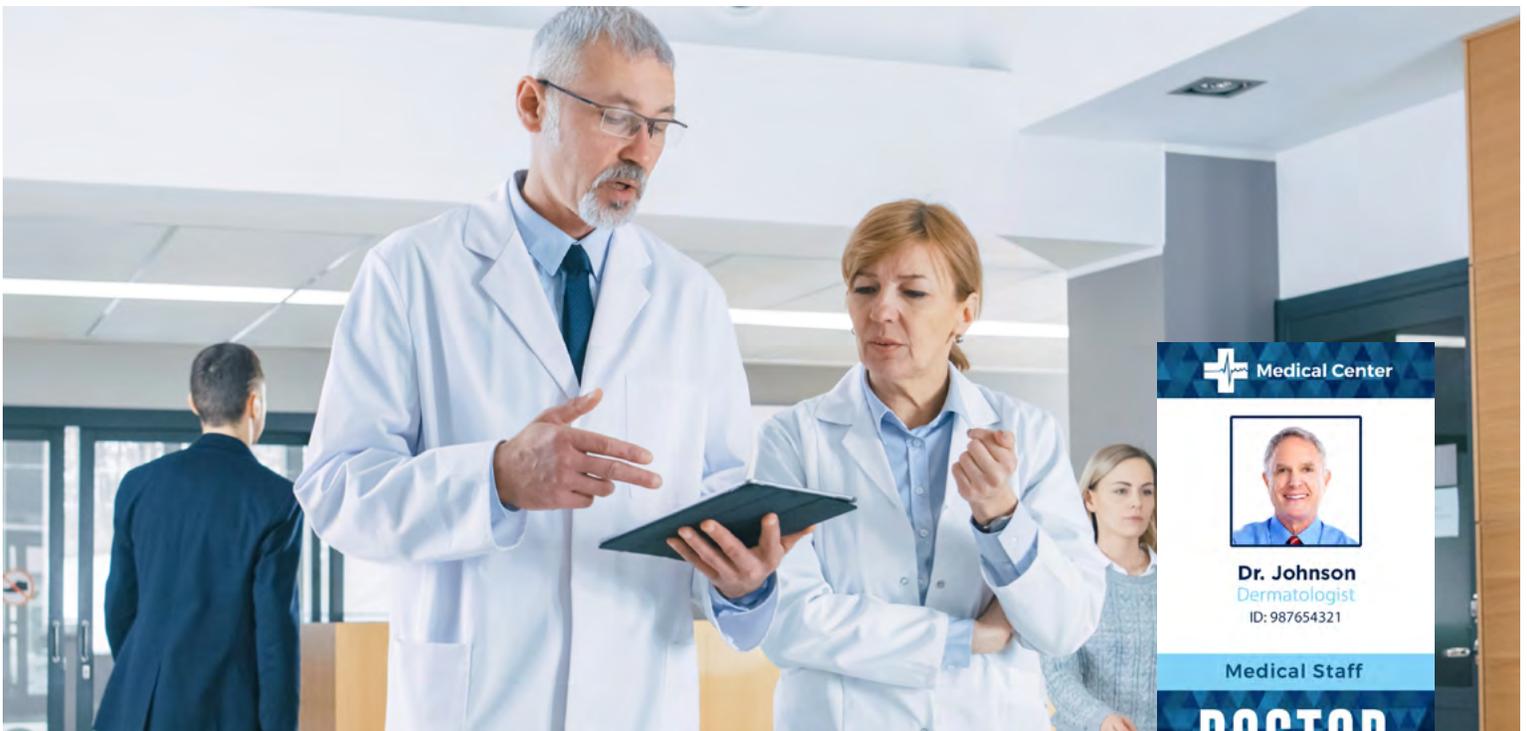
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TECHNICAL SPECIFICATIONS

Standard Features & Supplies

Print technology	Dye sublimation
Print capabilities	Single or dual-sided
Print resolution	300 dots per inch (dpi) (300 X 600, 300 X 1200)
Print speed	Single-sided color ribbon: Up to 225 cards per hour (cph) Double-sided color ribbon: Up to 140 cards per hour (cph) Monochrome printing: Up to 880 single-sided 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 8.3 in x H 9 in / 44.2 cm x 22.6 cm x 22.9 cm
Weight	11.3 lbs (5.49 kg); will vary with options
Connectivity	USB and Ethernet
Warranty	36 months
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

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 250/500 images ymcKT 650 images YMCKT-KT 350 images KT 1,000 images KTT 750 images ST-KT 500 images YMCKF-KT 300 images YMCKL-KT 300 images ST-KT 500 images GT-KT 500 images
Monochrome ribbons	Black, white, blue, red, green, scratch-off, silver matte, gold matte, silver metallic, and gold metallic: 1,500 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, S=Silver matte, G=Gold matte.

Learn more at
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