



ENTRUST



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 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 AT [ENTRUST.COM](https://www.entrust.com)

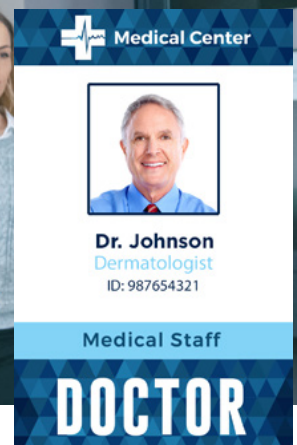
➤ Sigma DS2 Direct-to-Card Printer

Unmatched security

- 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 smart card capabilities, wi-fi connectivity, and more
- Print anytime, anywhere with your mobile device (iOS, Android, Windows)





Sigma DS2 Direct-to-Card Printer

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)
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
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	11.3 lbs (5.49 kg); will vary 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 & 5GHz	
Smart card encoding	Single wire or loosely coupled: <ul style="list-style-type: none"> • 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 Duplex Only) 	
Color ribbons*	YMCKT	250/500 images
	ymcKT	650 images
	YMCKT-KT	350 images
	KT	1000 images
	KTT	750 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: 1500 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.

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ENTRUST



Entrust Genuine Supplies For Sigma DS1 and DS2 Card Printers

HIGHLIGHTS

Ribbons, printheads, and cleaning supplies

Only genuine Entrust supplies will ensure you get the most out of your Entrust Sigma DS1 and DS2 Card Printers.

Entrust supplies are manufactured and tested against industry standards, as well as proprietary test protocols established by our in-house materials development experts. Robust performance standards ensure the quality and consistency of Entrust supplies, guaranteed.

KEY FEATURES & BENEFITS

Superior quality, proven performance

- Card print quality emulates your on-screen colors for vibrant color and sharpness
- Print resolution of up to 300 x 1200 dpi allows you to print fine details of small text, detailed designs, and quality bar codes
- Printer driver automatically adjusts settings to match ribbon type for maximum image quality
- Innovative ribbon conservation and consumption tracking with notifications when supply is low for upcoming ribbon replacement



Genuine Supplies for Sigma DS1 and DS2 Card Printers

Convenient, cost-effective operation

- Built-in technology conserves ribbon usage, reducing waste and saving you money:
 - Panel ribbons save one complete panel set during each initialization
 - Monochrome ribbons use only material length needed for the specific card design, for significant yield savings
- Convenient ribbon types for use in simplex or duplex applications
- Automatically notifies you when supply is low and it's time for ribbon replacement
- Print ribbon kits include a ribbon, isopropanol cleaning card, and an adhesive cleaning roller for easy loading onto the provided ribbon cartridge
- Optional prefilled ribbon cassettes make switching ribbons easy

Unmatched security

- Entrust supplies utilize state-of-the-art RFID encryption technology, ensuring printer to supply communication, and authentication for assured uninterrupted supply use. This enables innovative features for customer ease-of-use and high print quality optimization
- Specialty ribbons let you add UV fluorescence or luster color to cards as low-level security elements or decorative embellishments

Eco-friendly

In support of fostering a sustainable future, Entrust maintains compliance with global environmental regulations while striving to reduce our impact on the environment.

- Ribbon cores are made with a biodegradable material
- Packaging is biodegradable, made from 100% recycled material, and printed with soy inks
- Entrust is an ISO 14001 Certified company



Genuine Supplies for Sigma DS1 and DS2 Card Printers

Item Number	Description	Yield**	DS1 (one-sided)	DS2 (two-sided)
Color Panel Print Ribbon Kits				
525100-001*	YMCKT full-color print ribbon kit	250	•	•
525100-004*	YMCKT full-color print ribbon kit	500	•	•
525150-004*	YMCKT full-color prefilled print ribbon cassette	500	•	•
525100-002*	ymcKT short panel color print ribbon kit	650	•	•
525100-005*	YMCKT-KT full-color print ribbon kit	350		•
525150-005*	YMCKT-KT full-color prefilled print ribbon cassette	350		•
525100-011	YMCKF-KT full-color print ribbon kit (for use in simplex or duplex card applications)	300	•	•
525100-014	KT black print ribbon kit	1,000	•	•
525100-010	KTT black print ribbon kit	750	•	•
525100-016	YMCKL-KT full-color print ribbon kit (for use in simplex or duplex card applications)	300	•	•
525100-021*	YMCKT full-color print ribbon kit PETG friendly	250	•	•
525150-012	ST-KT prefilled print ribbon cassette	500		•
525150-013	GT-KT prefilled print ribbon cassette	500		•
Monochrome Print Ribbon Kits				
525900-001*	Black standard/food safe print ribbon kit	1,500	•	•
525900-002*	Black premium high opacity print ribbon kit	1,500	•	•
525900-003	Royal blue print ribbon kit	1,500	•	•
525900-004	White high opacity print ribbon kit	1,500	•	•
525900-005	Red print ribbon kit	1,500	•	•
525900-006	Silver matte print ribbon kit	1,500	•	•
525900-007	Gold matte print ribbon kit	1,500	•	•
525900-008	Green print ribbon kit	1,500	•	•
525900-009	Scratch-off gray print ribbon kit	1,500	•	•
525900-014	Silver metallic print ribbon kit	1,500	•	•
525900-015	Gold metallic print ribbon kit	1,500	•	•
525900-017	White standard/food safe print ribbon kit	1,500	•	•



Genuine Supplies for Sigma DS1 and DS2 Card Printers

Item Number	Description	Yield**	DS1 (one-sided)	DS2 (two-sided)
Cleaning Supplies				
552141-002	Isopropanol cleaning cards (20/pack)	N/A	•	•
569946-101	Adhesive cleaning rollers (5/pack)	N/A	•	•
507377-001	Isopropanol cleaning swabs (5/pack)	N/A	•	•
524405-001	Adhesive cleaning cards (10/pack)	N/A	•	•
Replacement Printhead				
525354-999	Replacement printhead assembly	N/A	•	•
Accessories				
524870-999	Replacement ribbon cartridge assembly	N/A	•	•
597640-001	StickiCard™ adhesive-backed plastic cards (100/pack)	100	•	•

Panel color reference:

Y = Yellow M = Magenta C = Cyan K = Black T = Topcoat F = UV fluorescent L = Luster S = Silver G = Gold

Each print kit includes one ribbon, one isopropanol cleaning card, and one adhesive cleaning roller. Additional cleaning cards and cleaning rollers available separately.

* Regional supplies suffix may be applicable

** Ribbon yields: Actual monochrome ribbon yields may be up to three times greater due to Entrust Datacard ribbon saver features. Panel ribbon yields stated are typically the maximum number of panel sets per roll.

Rely only on genuine Entrust supplies

Sigma DS series printers require the exclusive use of Entrust genuine print ribbons. Protect your investment in Entrust solutions by choosing only genuine Entrust supplies available through certified global resellers. Only Entrust Datacard can provide global availability, service, and support you need – when and where you need it.

Learn more at entrust.com

