



Sigma DS2 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 printers are 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



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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 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 and lamination speed	• Front side YMCK and front side lamination: Up to 200 cards per hour • Front side YMCK-K ribbon, back side K with front side lamination: Up to 175 cards per hour
Card capacity	Input hopper: 125 cards Output hopper: 25 cards Reject hopper: 10 cards
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	
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
	ST-KT	500 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, silver matte, gold matte, silver metallic, and gold metallic: 2,500 images	
Overlays and films	Clear or holo topcoat:	1,000 images
	DuraGard® 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	

*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, G=Gold.

***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.



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