Direct-to-Card Printers and Supplies

Entrust Sigma DS1 and DS2 card printers are designed for today's cloud environments and provide the ability to easily issue secure identities.

ENTRUST

SECURING A WORLD IN MOTION

Entrust Sigma DS1

Entrust Sigma DS2 CLM

Entrust Sigma DS2

DS Series Card Printers

HIGHLIGHTS

Sigma: The next generation of ID 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, 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

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 customizations into your ambient environment and flashes when you need to service the printer

- Ribbon rolls or optional pre-loaded ribbon cassettes enable choice on switching ribbons

- Innovative patented printhead protector feature shields the printhead during ribbon replacement or printer servicing, which helps to extend the printhead life

Entrust Sigma DS1, DS2, DS2 CLM card printer comparison

	Entrust Sigma DS1	Entrust Sigma DS2	Entrust Sigma DS2 CLM
Genral			
Printer/Printhead Warranty	36 months	36 months	36 months
Print Resolution	300 dpi **High Resolution:** 300x600 300x1200	300 dpi **High Resolution:** 300x600 300x1200	300 dpi **High Resolution:** 300x600 300x1200
Print Technology	Dye-sublimation/ Resin thermal transfer	Dye-sublimation/ Resin thermal transfer	Dye-sublimation/ Resin thermal transfer
Print Options	Single-Sided, Rewritable Technology	Single- or Dual-Sided, Rewritable Technology	Single- or Dual-Sided, Rewritable Technology
Connectivity	USB and WiFi (Field upgrade)	USB, Ethernet, and WiFi (field upgrade)	USB, Ethernet, and WiFi (field upgrade)
Operating Systems	Windows® 10 (32/64 bit), 8.1 (32/64 bit), Windows Server 2016 - 64-bit	Windows® 10 (32/64 bit), 8.1 (32/64 bit), Windows Server 2016 - 64-bit	Windows® 10 (32/64 bit), 8.1 (32/64 bit), Windows Server 2016 - 64-bit
Web Broswer Support for Instant ID as a Service	N/A	Chrome - Preferred Edge/Internet Explorer Safari	Chrome - Preferred Edge/Internet Explorer Safari
Physical Characteristics			
Dimensions (HxDxW)	**Printer:** 17.4 X 8.9 X 9″ (44.2 X 22.6 X 22.9 cm)	**Printer:** 17.4 X 8.9 X 9″ (44.2 X 22.6 X 22.9 cm)	**Printer with Lamination Module:** 23.8 X 10.6 X 20.4″ (60.4 X 27 X 51.9 cm)
Weight	**Single-Sided Printer:** 11.3 lbs (5.13 kg)	**Single-Sided Printer:** 11.3 lbs (5.13 kg) With Dual-Sided Printing: 12.1 lbs (5.49 kg)	**Printer with Single-Sided Lamination Module:** 30 lbs (13.62 kg)
Speed			
Up to: Cards per Hour - Color single-sided	175 cph	225 cph	225 cph
Up to: Cards per Hour - Monochrome single-sided	660 cph	880 cph	880 cph

Entrust Sigma DS1, DS2, DS2 CLM card printer comparison

	Entrust Sigma DS1	**Entrust Sigma DS2**	**Entrust Sigma DS2 CLM**
Cards			
Card Thickness	0.01 - 0.04" (.25 - 1.016mm)	0.01 - 0.04" (.25 - 1.016mm)	0.01 - 0.04" (.25 - 1.016mm)
Card Size	CR-80, CR-79	CR-80, CR-79	CR-80, CR-79
Card Input Hopper Capacity	125	125	125
Card Output Hopper Capacity	25	25 (Option: 100)	25 (Option: 100)
Reject Hopper Capacity	NA	10	10
Card Type	PVC with glossy laminate surface, select key fob, Datacard® StickiCard™ adhesive-backed plastic, Translucent cards that meet ISO7810 IR opacity. PETG and PVC varnished cards or matte/satin finished cards must be tested for compatibility and durability.	PVC with glossy laminate surface, select key fob, Datacard® StickiCard™ adhesive-backed plastic, Translucent cards that meet ISO7810 IR opacity. PETG and PVC varnished cards or matte/satin finished cards must be tested for compatibility and durability.	PVC with glossy laminate surface, select key fob, Datacard® StickiCard™ adhesive-backed plastic, Translucent cards that meet ISO7810 IR opacity. PETG and PVC varnished cards or matte/satin finished cards must be tested for compatibility and durability.
Options			
ISO Magnetic Stripe Encoding	Yes	Yes	Yes
Single Wire Smart Card Support	No	Yes (Duplex Only)	Yes (Duplex Only)
Contact Smart Card Encoding	No	Yes (Duplex Only)	Yes (Duplex Only)
Contactless Smart Card Encoding	Yes	Yes	Yes
Encryption	Yes	Yes	Yes
Locks	No	No	No
Card Lamination Module	No	No	Yes

Entrust Genuine Ribbons, Printheads, and Cleaning Supplies

HIGHLIGHTS

Only genuine Entrust supplies will ensure you get the most out of your Entrust Sigma DS1 and DS2 card printers. Robust performance standards ensure the quality and consistency of Entrust supplies, guaranteed. Twelve monochrome ribbons are available with Sigma, giving you the choice and flexibility to pick a color that works for you. Entrust high-quality topcoats protect images, prevent fading, and defend against abrasion, moisture, and chemical attack.

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

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

- Ribbon rolls or optional pre-loaded ribbon cassettes give you choice on switching ribbons

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

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		•
525100-006*	ymcKT-KT short panel color print ribbon kit	435		•
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 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	•	•

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.

* Channel specific supplies suffix may be applicable
** Ribbon yields: Actual monochrome ribbon yields may be up to three times greater due to Entrust 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 can provide global availability, service, and support you need – when and where you need it.

ABOUT ENTRUST CORPORATION

Entrust keeps the world moving safely by enabling trusted identities, payments, and data protection. Today more than ever, people demand seamless, secure experiences, whether they're crossing borders, making a purchase, accessing e-government services, or logging into corporate networks. Entrust offers an unmatched breadth of digital security and credential issuance solutions at the very heart of all these interactions. With more than 2,500 colleagues, a network of global partners, and customers in over 150 countries, it's no wonder the world's most entrusted organizations trust us.

IRIS
RETHINKING IDENTIFICATION

The IRIS Companies
www.irisltd.com
info@irisltd.com
(610) 944-8588
901 Park Road, Fleetwood, PA 19522