



DATA SHEET

Sigma DS2C Direct-to-Card Printer

HIGHLIGHTS

Sigma DS2C: The next generation of cloud printing

The Sigma DS2C Card Printer is specifically designed for the Instant ID as a Service (IIDaaS) Ribbon, combining the best-in-class security and simplicity of Entrust software with the power and efficiency of our printers.

- **Simple and seamless:** From unboxing to printing with ease, our cloud ribbon-only printer ensures a seamless setup and operation for all your printing needs. We designed it to be the most user-friendly cloud-based ribbon printing solution available.
- **Secure by design:** Built with industry-leading security architecture, our printer safeguards your print jobs and sensitive data at every step of the process, ensuring both peace of mind and data integrity.
- **Smart and dynamic:** Leveraging advanced cloud technology and scalability, our printer grows with your needs, making it simple to expand and evolve your printing program over time.

KEY FEATURES & BENEFITS

User-friendly ID card printing

- Issue credentials at scale from your favorite web browser on any device with an internet connection.
- Set your own pace with fast online account opening, meaning you can issue your first credential on day one.
- Included in-region software support and 48-month printer warranty allows you to issue credentials with confidence.
- See printer status, order supplies, check cleaning status, or update firmware directly from our intuitive printer dashboard available on your mobile device.
- IIDaaS Ribbons combines two required consumables, software and supplies, into one product. Now ordering more ribbons is also renewing software.
- Extend the life of your printhead with an innovative, patented protection feature that shields the printhead during ribbon replacement or printer servicing.



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 is used 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 supports using RADIUS-enabled IEEE 802.1x password or certificate-based authentication

Lightning-fast Card Production Setup

IT'S AS EASY AS...



Order IIDaaS Ribbons from your preferred distributor or reseller



Scan the QR code inside the box to create a new account



Issue your first credential on day one by simply installing the ribbon in the printer



Learn more about
the Sigma DS2C
printer at [entrust.com](https://www.entrust.com)





Standard Features & Supplies

Print technology	<ul style="list-style-type: none"> • Dye-sublimation/resin thermal transfer
Print capabilities	<ul style="list-style-type: none"> • Dual-sided rewritable technology
Print resolution	<ul style="list-style-type: none"> • 300 dots per inch (dpi) (300 X 600, 300 X 1200)
Print speed	<ul style="list-style-type: none"> • 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 cards per hour; single sided
Card capacity	<ul style="list-style-type: none"> • Input hopper: 125 cards • Output hopper: 25 cards
Card sizes	<ul style="list-style-type: none"> • Thickness: 0.010 inches to 0.040 inches (0.25mm - 1.016mm) • Dimension: ID-1, CR-79, CR-80
Operating environment	<ul style="list-style-type: none"> • Temperature: 60°F to 95°F (15°C to 35°C) • Humidity: 20-80% RH – non-condensing
Physical dimensions	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 11.3 lbs (5.49 kg); will vary with options
Connectivity	<ul style="list-style-type: none"> • Ethernet
Warranty	<ul style="list-style-type: none"> • 48 months
Web browser support for Instant ID as a Service	<ul style="list-style-type: none"> • Chrome (preferred) • Edge/Internet Explorer • Safari

Optional Features & Supplies

Magnetic stripe encoding	<ul style="list-style-type: none"> • ISO 7811 three-track support (high- and low-coercivity) • JIS Type II single-track option 						
WiFi	<ul style="list-style-type: none"> • WiFi types: 802.11g/n • Authentication modes: None, WPA2 Personal • Dual-band 2.4GHz & 5GHz 						
Smart card encoding	<p>Single wire or loosely coupled:</p> <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) 						
Supported IIDaaS Ribbons*	<table border="0"> <tr> <td>YMCKT</td> <td>250 images</td> </tr> <tr> <td>YMCKT</td> <td>500 images</td> </tr> <tr> <td>YMCKT-KT</td> <td>350 images</td> </tr> </table>	YMCKT	250 images	YMCKT	500 images	YMCKT-KT	350 images
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* Color ribbon guide: Y=Yellow, M=Magenta, C=Cyan, K=Black, T=Topcoat
 Panel print ribbon yields stated are typically the maximum number of panel sets per roll.

