

## DATASHEET

# 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



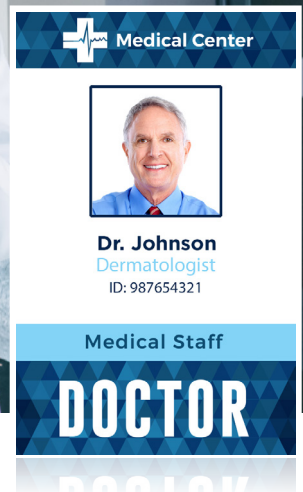
**Scan** the QR code inside the box to create a new account



**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"> <li>• Dye-sublimation/resin thermal transfer</li> </ul>
Print capabilities	<ul style="list-style-type: none"> <li>• Dual-sided rewritable technology</li> </ul>
Print resolution	<ul style="list-style-type: none"> <li>• 300 dots per inch (dpi) (300 X 600, 300 X 1200)</li> </ul>
Print speed	<ul style="list-style-type: none"> <li>• Single-sided color ribbon: up to 225 cards per hour (cph)</li> <li>• Double-sided color ribbon: Up to 140 cards per hour (cph)</li> <li>• Monochrome printing: Up to 880 cards per hour; single sided</li> </ul>
Card capacity	<ul style="list-style-type: none"> <li>• Input hopper: 125 cards</li> <li>• Output hopper: 25 cards</li> </ul>
Card sizes	<ul style="list-style-type: none"> <li>• Thickness: 0.010 inches to 0.040 inches (0.25mm - 1.016mm)</li> <li>• Dimension: ID-1, CR-79, CR-80</li> </ul>
Operating environment	<ul style="list-style-type: none"> <li>• Temperature: 60°F to 95°F (15°C to 35°C)</li> <li>• Humidity: 20-80% RH – non-condensing</li> </ul>
Physical dimensions	<ul style="list-style-type: none"> <li>• L 17.4 in x W 8.9 in x H 9 in / 44.2 cm x 22.6 cm x 22.9 cm</li> </ul>
Weight	<ul style="list-style-type: none"> <li>• 11.3 lbs (5.49 kg); will vary with options</li> </ul>
Connectivity	<ul style="list-style-type: none"> <li>• Ethernet</li> </ul>
Warranty	<ul style="list-style-type: none"> <li>• 48 month printer warranty, 36 month print head warranty</li> </ul>
Web browser support for Instant ID as a Service	<ul style="list-style-type: none"> <li>• Chrome (preferred)</li> <li>• Edge/Internet Explorer</li> <li>• Safari</li> </ul>

## Optional Features & Supplies

Magnetic stripe encoding	<ul style="list-style-type: none"> <li>• ISO 7811 three-track support (high- and low-coercivity)</li> <li>• JIS Type II single-track option</li> </ul>						
WiFi	<ul style="list-style-type: none"> <li>• WiFi types: 802.11g/n</li> <li>• Authentication modes: None, WPA2 Personal</li> <li>• Dual-band 2.4GHz &amp; 5GHz</li> </ul>						
Smart card encoding	Single wire or loosely coupled: <ul style="list-style-type: none"> <li>• Contact smart card encoding: ISO 7816 T=0 (T=1), Class A 5V (3V and 1.8V)</li> <li>• 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)</li> </ul>						
Supported IIDaaS Ribbons*	<table> <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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YMCKT-KT	350 images						

\* 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.