



# Sigma DS1 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
- Optional pre-loaded ribbon cassettes make switching ribbons easy
- Innovative patented printhead protector feature shields the printhead during ribbon replacement or printer servicing, which helps to extend the printhead life. Enables you to easily fix the issue at hand without having to worry about damaging the printhead

Learn more about the Sigma DS1 printer at [entrust.com](https://entrust.com)

# ➤ Sigma DS1 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, WiFi connectivity, and more
- Print anytime, anywhere with your mobile device (iOS, Android, Windows)





# Sigma DS1 Direct-to-Card Printer

## TECHNICAL SPECIFICATIONS

### Standard Features & Supplies

|                                             |                                                                                                                                        |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Print technology                            | Dye sublimation                                                                                                                        |
| Print capabilities                          | Single-sided                                                                                                                           |
| Print resolution                            | 300 dots per inch (dpi) (300 X 600, 300 X 1200)                                                                                        |
| Print speed                                 | Single-sided color ribbon: Up to 175 cards per hour (cph)<br>Monochrome printing: Up to 660 single-sided cards per hour (cph)          |
| Card capacity                               | Input hopper - 125 cards<br>Output hopper - 25 cards                                                                                   |
| Card sizes                                  | Thickness: 0.010 inches to 0.040 inches (0.25mm - 1.016mm)<br>Dimension: ID-1, CR-79, CR-80                                            |
| Operating environment                       | Temperature: 60°F to 95°F (15°C to 35°C)<br>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)                                                                                                                     |
| Connectivity                                | USB                                                                                                                                    |
| Warranty                                    | 36 months                                                                                                                              |
| Operating system support for printer driver | Windows 11<br>Windows 10, 32- and 64-bit<br>Windows Server 2022<br>Windows Server 2019<br><br>Linux Ubuntu 20.04 LTS<br>Linux Kylin 10 |





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## Optional Features & Supplies

|                          |                                                                                                                         |                                                                                                                    |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Magnetic stripe encoding | ISO 7811 three-track support (high- and low-coercivity)<br>JIS Type II single-track option                              |                                                                                                                    |
| WiFi                     | WiFi types: 802.11g/n<br>Authentication modes: None, WPA2 Personal<br>Dual-band 2.4GHz & 5GHz                           |                                                                                                                    |
| Loosely coupled:         | ISO 14443 A/B, ISO 15693, MIFARE, MIFARE DESFire EV1/EV2, HID Prox, iClass, iClass SE, iClass Seos                      |                                                                                                                    |
| Color ribbons*           | YMCKT<br>ymcKT<br>YMCKT-KT<br>KT<br>KTT<br>YMCKF-KT<br>YMCKL-KT<br>ST-KT                                                | 250/500 images<br>650 images<br>350 images<br>1,000 images<br>750 images<br>300 images<br>300 images<br>500 images |
| Monochrome ribbons       | Black, white, blue, red, green, scratch-off, silver matte, gold matte, silver metallic, and gold metallic: 2,500 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.

Learn more at  
**entrust.com**



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