



## DATA SHEET

# Sigma DSE Direct-to-Card Printer

## Sigma Innovation Designed for Essential Needs

### HIGHLIGHTS

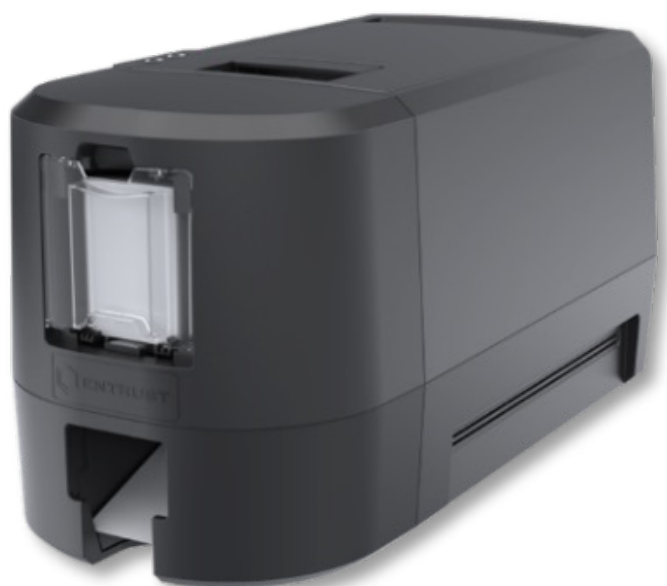
The Entrust Sigma DSE ID Card Printer is specifically designed for today's cloud environments, meeting your essential needs while also giving you the ability to easily issue secure identities.

- **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
- **Quality:** Our industry expertise and high-quality design are packaged into an economic printer for essential needs
- **Affordable:** Competitively priced in-market to meet the needs of any badging or credential printing job, without sacrificing on efficiency and excellence

### KEY FEATURES & BENEFITS

## The World's Most Sophisticated Printer For Essential ID Card Printing Needs

- Intuitive printer dashboard lets you see printer status, order supplies, check cleaning status, update firmware, contact help, or access other helpful resources, all from your mobile device
- Innovative patented printhead protector feature shields the printhead during ribbon replacement or printer servicing, which helps to extend the printhead life. Easily fix the issue at hand without having to worry about damaging the printhead



**ENTRUST**  
SECURING A WORLD IN MOTION

## Unmatched Security

- Secure boot protects system from malware or virus on boot-up
- 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

## Essential Printing With Excellent Quality

- Choose on-premises or cloud-hosted deployment
- Expand your ID program as your needs change by adding magnetic stripe and smart card capabilities
- Print anytime, anywhere with your mobile device (iOS, Android, Windows)



# Technical Specifications

| Standard Features & Supplies                |                                                                                                                                                                                                             |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Print technology                            | Dye sublimation                                                                                                                                                                                             |
| Print capabilities                          | Single or Dual-sided                                                                                                                                                                                        |
| Print resolution                            | 300 dots per inch (dpi) (300 X 600, 300 X 1200)                                                                                                                                                             |
| Print speed                                 | Single-sided color ribbon: Up to 185 cph (cards per hour)<br>Double-sided color ribbon: Up to 145 cph<br>Single-sided monochrome printing: Up to 750 cph<br>Double-sided monochrome printing: Up to 421 cph |
| Card capacity                               | Input hopper – 100 cards<br>Output hopper – 25 cards                                                                                                                                                        |
| Card sizes                                  | Thickness: 0.024 inches to 0.040 inches (0.609 mm – 1.1016mm)<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 17.5" x W 8.4" x H 9.0" / 44.5 cm x 22.6 cm x 22.9 cm                                                                                                                                                     |
| Included Software                           | Instant ID Trial: 30 Days (Simplex or Duplex)<br>Instant ID as a Service Trial: 60 Days (Duplex Only)                                                                                                       |
| Weight                                      | 12.1 lbs (5.49 kg)                                                                                                                                                                                          |
| Connectivity                                | USB – simplex<br>USB and Ethernet - duplex                                                                                                                                                                  |
| Warranty                                    | 24 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                                                                      |

## Optional Features & Supplies

|                          |                                                                                                                                                                                                                                                                                                                       |       |                |       |            |          |            |          |            |             |            |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------|-------|------------|----------|------------|----------|------------|-------------|------------|
| Magnetic stripe encoding | ISO 7811 three-track support (high- and low-coercivity)<br>JIS Type II single-track option                                                                                                                                                                                                                            |       |                |       |            |          |            |          |            |             |            |
| Smart Card Encoding*     | 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</li> </ul>                 |       |                |       |            |          |            |          |            |             |            |
| Color ribbons**          | <table> <tr> <td>YMCKT</td> <td>250/500 images</td> </tr> <tr> <td>ymcKT</td> <td>650 images</td> </tr> <tr> <td>YMCKT-KT</td> <td>350 images</td> </tr> <tr> <td>ymcKT-KT</td> <td>435 images</td> </tr> <tr> <td>YMCKT PET-G</td> <td>250 images</td> </tr> </table> <p>*Prefilled cassettes are not supported.</p> | YMCKT | 250/500 images | ymcKT | 650 images | YMCKT-KT | 350 images | ymcKT-KT | 435 images | YMCKT PET-G | 250 images |
| YMCKT                    | 250/500 images                                                                                                                                                                                                                                                                                                        |       |                |       |            |          |            |          |            |             |            |
| ymcKT                    | 650 images                                                                                                                                                                                                                                                                                                            |       |                |       |            |          |            |          |            |             |            |
| YMCKT-KT                 | 350 images                                                                                                                                                                                                                                                                                                            |       |                |       |            |          |            |          |            |             |            |
| ymcKT-KT                 | 435 images                                                                                                                                                                                                                                                                                                            |       |                |       |            |          |            |          |            |             |            |
| YMCKT PET-G              | 250 images                                                                                                                                                                                                                                                                                                            |       |                |       |            |          |            |          |            |             |            |
| Monochrome ribbons       | Black standard & premium, white standard & premium, silver standard, gold standard, silver premium metallic, and gold metallic: 2,500 images                                                                                                                                                                          |       |                |       |            |          |            |          |            |             |            |

\*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, y=1/2 panel Yellow, m=1/2 panel Magenta, c=1/2 panel Cyan,

Panel print ribbon yields stated are typically the maximum number of panel sets per roll.

Monochrome print ribbon yields stated at 2,500 is the estimated image yield per roll for industry average personalization of 1.95in (49mm) print length.

Actual yields may vary based upon print length and other factors.