

DATASHEET

Sigma DS3 Direct-to-Card Printer with Multi-Hopper

HIGHLIGHTS

Elevate Your Instant Issuance Game

Entrust Sigma ID card printers are designed to enhance casino aesthetics, elevate card design, and reduce printer downtime. The Sigma DS3 is an ideal solution for casinos to create player and VIP cards, room keys, and employee badges.

- **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 AND BENEFITS

The World's Most Advanced Instant Card Solution

- **Intuitive printer dashboard:** See printer status, order supplies, check cleaning status, update firmware, or contact help, all from your mobile device.
- **Seamless self-service:** Access how-to videos and other resources by simply scanning a QR code on the LCD display.
- **Variable LED light ring:** Incorporate brand colors or other customization into your ambient environment.
- **Optional pre-loaded ribbon cassettes:** Switch ribbons faster and easier.
- **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.

Unmatched Security

- Optional locks
- 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
- Security features protect from tampering and counterfeiting:
 - UV printing
 - Luster printing

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 multi-hopper, smart card capabilities, Wi-Fi connectivity, and more
- Print anytime, anywhere with your mobile device (iOS, Android, Windows)



Technical Specifications

Standard Features & Supplies	
Print technology	Dye-sublimation/resin thermal transfer
Print capabilities	Single- or dual-sided, rewritable technology
Print resolution	300 dots per inch (dpi) (300 X 600, 300 X 1200)
Print, lamination, and tactile speed	Single-sided color ribbon (YMCKT): up to 250 cards per hour (cph) Double-sided color ribbon (YMCKT-KT): up to 180 cards per hour (cph) Single-sided monochrome ribbon (black HQ): up to 1,100 cards per hour (cph)
Multi-hopper	Six compartment multi-hopper (six 125-card hoppers, 750-card total capacity)
Card capacity	Input hopper: 125 cards Output hopper: 25 cards Reject hopper: 10 card
Card sizes	Thickness: 0.010 in to 0.040 in (0.25mm - 1.016mm) Dimension: ID-1, CR-79, CR-80
Operating environment	Temperature: 60°F to 95°F (15°C to 35°C) Humidity: 20-80% RH – non condensing
Physical dimensions	L 23 in x W 13.4 in x H 16.2 in (58.4 cm x 34 cm x 41.1 cm)
Weight	30 lbs (13.62 kg); varies with options
Connectivity	USB and Ethernet
Warranty	36 months
Operating system support for printer driver	Windows 10 versions, 32- and 64-bit Windows 8.1, 32- or 64-bit Windows Server 2019 Windows Server 2016 Windows Server 2012, R2, 64-bit



Technical Specifications

Optional Features & Supplies	
Magnetic stripe encoding	ISO 7811 three-track support (high- and low-coercivity) JIS Type II single-track option
Wi-Fi	Wi-Fi types: 802.11g/n Authentication modes: None, WPA2 Personal Dual-band 2.4GHz and 5GHz
Smart card encoding	Single wire or loosely coupled: - 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
Color ribbons*	Prefilled print ribbon cassettes: YMCKT 500 images YMCKT 650 images KTT 750 images ST-KT 500 images GT-KT 500 images Refill print ribbon kits: YMCKT 250/500 images ymcKT 650 images YMCKT-KT 350 images ymcKT-KT 435 images KT 1,000 images KTT 750 images YMCKF-KT 300 images YMCKL-KT 300 images YMCK** 500 images YMCK-K** 500 images
Monochrome ribbons	Refill print ribbon kits in black, white, blue, red, green, scratch-off, silver matte, gold matte, silver metallic, and gold metallic: 1,500 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

** For use in conjunction with laminator module topcoats or overlays

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

Monochrome print ribbon yields stated are the minimum achievable per roll. Actual yields may be more than 3 times greater due to Entrust monochrome ribbon saver features.