



Dual Sided ID Card Printer



Small Mid-Sized Business Solution for Reliable Duplex ID Cards

The IDP SMART-51D durable metal-framed card printer is a reliable solution for exceptional card production, offering a perfect blend of durability and cutting-edge technology for full-color or monochrome cards.

This robust photo ID printer simplifies your experience with optional features like duplex printing, laminating, and Ethernet connectivity. Ideal for various applications, the SMART-51D card printer excels in producing corporate IDs, access control badges, and student IDs, thanks to its metal frame ensuring better print quality, higher throughput, prolonged printer life, and reduced shipping damages.

The SMART-51D offers a wide range of optional features including Ethernet, smartcard encoding, and a field upgradeable lamination module.

SMART-51 Series

- Dual Sided Metal-Framed ID Card Printer
- Fast, Quiet with User-Friendly LCD
- Flexible, Upgradeable & Reliable
- FINE™ Imaging Technology
- Low Cost per Print
- Best-In-Class Warranty* (See backside for details)

Features

- Single or Dual Sided Printing
- Print Speed: Max. 17 sec/card (single) & 22 sec/card (dual)
- 300dpi (color), 600, 1200dpi (mono only)
- Edge to Edge Printing
- 2 Lines LCD with 2 LED Buttons for Front Operation
- Low-Cost Security with UV Printing
- Installable Encoders: MS, Contact & Contactless
- Upgradable Modules: Laminator & Ethernet



Issuance

SMART IDesigner ensures accurate card issuance and data management with your SMART series of printers. This application offers simple design tools to allow the user to create a truly customized card within minutes. SMART IDesigner offers advanced user tools such as database connections, camera and signature scanners plug-in support, as well as smart card reading and encoding.

- Design and print (Image, Photo, and Text)
- 1D & 2D Barcode printing
- Auto portrait (Auto face detection, adjustment of size & position)
- Printing of sequential numbers
- Card design templates
- Plug-in for supporting external devices (Sign pad, Camera, Scanner)
- Convenient card issuance and data management
- Magnetic stripe (MS), contact & contactless smart card encoding by using a plug-in program

Security

The SMART series printers come with highly effective and tested physical and electronic security features.

- PASSWORD verification with administrator and user authentications
- PC AUTHENTICATION locks the SMART printer to a specific PC to render it useless if stolen
- DATA ENCRYPTION over USB and SSL (secure socket layer) over Ethernet
- PHYSICAL LOCKS are standard on the SMART-70 and an optional feature on the SMART-51 Series
- Ethernet - SNMPv3

Networking

The SMART series offers "single-wire" printing and encoding.

- The SMART Ethernet module can not only print over your network, but can also be configured to encode a magnetic stripes, contact IC chips, and contactless smart cards over your network
- The SMART Ethernet module can be configured to accept "open card protocol" print commands for direct printing without a driver

Printing

Print Type	Direct-to-Card/Dye-Sublimation
Print Area	Dual-Sided/Edge-to-Edge
Resolution	300dpi (color), 600, 1200dpi (mono only)

Print Speed

Monochrome	5 sec./card (720 cards/hour)
YMCKO	Max. 17 sec./card (212 cards/hour)
YMCKOK	Max. 22 sec./card (164 cards/hour)

System

Memory	64MB RAM (additional 4GB with gender board)
Display	2 Line LCD
Control Pane	2 LED Buttons
Supported Platforms	Windows 10/11, Mac OS, Linux
Communication	USB, Ethernet SNMPv3 (option), WiFi (option)
Power Supply	Free Voltage (AC100/220V, 50~60Hz)
Power Consumption	48W
Temperature/Humidity	15~35°C/35~70%

Certifications

CB CE FCC ENEC

Card

Card Feeding	Automatic
Card Size	ISO CR80 or ISO CR79 (Option-Factory Installed)
Card Thickness	0.38mm (15mil), 1.0mm (40mil)
Card Type	PVC, PET, Composite PVC

Capacity

Input Hopper	100 / 200 cards with cover open
Output Hopper	Front: 40 cards / Rear: 100 Cards *Optional Rear-Side Stacker

Dimensions

Millimeter (WxLxH)	165 x 498 x 210
Inch (WxLxH)	6.5 x 19.6 x 8.3

Weight

Kg/lbs	5.2/11.5
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Encoding Options

Magnetic	ISO7811 (Track I, II, III Read/Write, HiCo/LoCo), JIS II
Contact	ISO 7816 (ID-1)
Contactless	MIFARE, ISO 14443 (Type A/B), ISO 15693 DESFIRE, iCLASS

Consumables

Color Ribbons

Model	Color	Description	Capacity
659592	YMCKO	Full Color Ribbon with Resin Black & Overlay	250 Cards/Roll
659593	YMCKOK	Full Color Ribbon with Resin Black & Overlay & Black for Back Side	200 Cards/Roll
659594	YMCKFO	Full Color Ribbon with UV Panel, Resin Black and Overlay	200 Cards/Roll
659595	HYMCKO	Half Panel Size Color Ribbon with Resin Black and Overlay	350 Cards/Roll

Mono Ribbons

Model	Color	Description	Capacity
659606	KO	Black with Overlay	600 Cards/Roll
659596	K	Black	1200 Cards/Roll
659599	W	White	1200 Cards/Roll
659600	B	Blue	1200 Cards/Roll
659601	R	Red	1200 Cards/Roll
659597	MG	Metallic Gold	1200 Cards/Roll
659598	MS	Metallic Silver	1200 Cards/Roll
659602	SO	Scratch-Off	1200 Cards/Roll

165mm (6.5 inch) x 498mm (19.6 inch) x 210mm (8.3 inch)

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SMART-51D
Ethernet Option
SMART Wi-Fi Kit
Magnetic Stripe Enc. Standard
Contact SmartCard Enc. (Internal)
Contactless SmartCard Enc.
YMCKO Full-Color Ribbon
YMCKOK Full-Color Ribbon
Laminator with Flipper Assembly

*Warranty covers printers, print heads up to 20,000 prints, laminators, encoders, parts, and labor for the period of three years. Advance Replacement may apply. Note - SMART-81 offers a life-time print head warranty.

www.idpamericas.com