



# Laminating ID Card Printer



## Increase Card Life, Increase Security, Decrease Costs

IDP's SMART-51L printer produces high-quality printed and laminated cards for government credentials, student photo identification, and secured access control badges.

Ideally suited for today's increased security on identification cards, the SMART-51L with patented Direct Lamination™ technology provides an ultra-fast laminating solution with state-of-the-art security features. When it comes to security and reliability, the SMART-51L provides premium protection.

## SMART-51 Series

- Single or Dual Sided Laminating ID Card Printer
- Patented 8-Second Heat Up Time
- Fast, Quiet with User-Friendly LCD
- FINE™ Imaging Technology
- Low Cost per Print
- Best-In-Class Warranty\* (See backside for details)

## Features

- Single or Dual Sided Printing & Laminating
- 8 Second Heat Up Time with Patented Direct Lamination™
- Printing & Laminating Speed: Max. 22 sec/card (YMCK & Single Lamination)
- 300dpi (color), 600, 1200dpi (mono only)
- Edge to Edge Printing
- 51S & 51D Field Upgradable to 51L
- 2 Lines LCD with 2 LED Buttons for Front Operation
- Holographic Lamination for Visual Security & Card Durability
- Installable Encoders: MS, Contact & Contactless
- Upgradable 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 stripe, 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	96W
Temperature/Humidity	15~35°C/35~70%





## Laminating

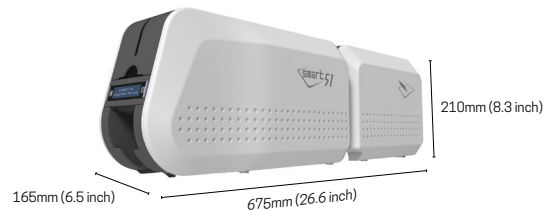
Mode	Single & Dual
Film (clear & holographic)	0.6mil, 1.0mil
Speed   Simultaneous (Single Lamination)	22 sec./card (YMCK), 32 sec./card (YMCKK)
One by One (Single Lamination)	43 sec./card (YMCK), 53 sec./card (YMCKK)

## Consumables



Color Ribbons

<b>659366</b> YMCKO Full Color Ribbon with Resin Black & Overlay  250 Cards/Roll	<b>659376</b> YMCKOK Full Color Ribbon with Resin Black & Overlay & Black for Back Side  200 Cards/Roll	<b>659380</b> YMCKFO Full Color Ribbon with UV Panel, Resin Black and Overlay  200 Cards/Roll	<b>659378</b> HYMCKO Half Panel Size Color Ribbon with Resin Black and Overlay  350 Cards/Roll
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## Holographic Designs



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651400  
651367  
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653035  
659366  
659376  
659390

**SMART-51L**  
**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**  
**Clear patch type laminate film**

Add "K" to any printer part number for a kit (1 YMCKO Ribbon, 1-100pk Cards, & 1 Long Cleaning Card)

\*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](http://www.idpamericas.com)

## 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 675 x 210
Inch (WxLxH)	6.5 x 26.6 x 8.3

## Weight

Kg/lbs	8.8/19.4
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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

## Certifications

