smart 51L

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-51L 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
- Optional Mag, Contact & Contactless Encoders
- Upgradable Ethernet output

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

iDP IDP

Printing

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

Print Speed

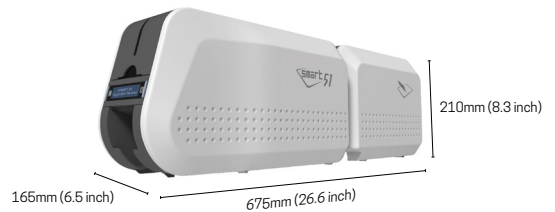|	
Monochrome	5 sec./card (720 cards/hour)
YMCKO	Max. 17 sec./card (211.7 cards/hour)
YMCKOK	Max. 22 sec./card (163.6 cards/hour)

System

Memory	64MB RAM (additional 4GB with gender board)
Display	2 Line LCD
Control Pane	2 LED Buttons
Supported Platforms	Microsoft Windows 7/8/10/11, Mac OS, Linux
Communication	USB, Ethernet SNMPv3 (option), WiFi (option)
Power Supply	Free Voltage (AC100/220V, 50~60Hz)
Power Consumption	96W
Temperature/Humidity	15~35ºC/35~70%

Laminating

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

Card

Card Feeding	Automatic
Card Size	ISO CR80 or ISO CR79 (Option-Factory Installed)
Card Thickness	0.38mm (15mil), 0.76mm (30mil)
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 x26.6 x 8.3

Weight

Kg/lbs	8.8/19.4

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

CB CE FC K C UL LISTED

Consumables

659366	659376	659380	659378
YMCKO	YMCKOK	YMCFKO	HYMCKO
Full Color Ribbon with Resin Black & Overlay	Full Color Ribbon with Resin Black & Overlay & Black for Back Side	Full Color Ribbon with UV Panel, Resin Black and Overlay	Half Panel Size Color Ribbon with Resin Black and Overlay
250 Cards/Roll	200 Cards/Roll	200 Cards/Roll	350 Cards/Roll

Color Ribbons

210mm (8.3 inch)
165mm (6.5 inch)
675mm (26.6 inch)

Holographic Designs

Celestial Globe | Globe Flags | Secure Globes | Official Police | Fire Rescue | Health Medical

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SMART-51L	651400
SMART-51LN (Eth)	651410
Contactless Enc. (USB)	651360
Contactless Enc. (Eth)	651362
Contact IC Enc.	651359
Mag Encoding	651356
Clear Lam., 250/Cards	659390
Holo. Lam., 250/Cards	659392

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

www.idp-corp.com