



Laminating ID CARD PRINTER

# SMART-51L

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
- Lowest Cost per Print
- 3 YEAR WARRANTY

Department of Transportation - Federal Aviation Administration  
**QUALITY AIRLINES**

**AIR CREW**  
**Jason Roberts**  
Pilot



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**AIRLINES**  
EXERCISE THE PRIVILEGES OF  
MULTI-ENGINE LAND INSTRUMENT  
COMMERCIAL JETLINERS.



## 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.



### 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



**New WiFi Option!**



### 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 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 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

**Specifications****PRINTING**

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

**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

**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)

**CAPACITY**

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

**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)

**Consumables**

	<b>659366</b> YMCKO	<b>659376</b> YMCKOK	<b>659380</b> YMCCKO	<b>659378</b> 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
 COLOR RIBBONS	 250 Cards/Roll	 200 Cards/Roll	 200 Cards/Roll	 350 Cards/Roll

**Holographic Designs**

Specifications and availability may change without notice.

**SYSTEM**

Memory	64MB RAM (additional 4GB with gender board)
Display	2 Line LCD
Control Panel	2 LED Buttons
Supported Platforms	Microsoft Windows 7/8/10, Mac OS, Linux
Communication	USB, Ethernet-SNMPv3 (Option), Wifi Kit (Option)
Power Supply	Free Voltage (AC100/200V, 50~60Hz)
Power Consumption	96W
Temperature/Humidity	15~35°C/35~70%

**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****Part Numbers:**

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)

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