smart 51S

Single Sided
ID Card Printer

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Rugged Construction, Simple to Operate

The IDP SMART-51S 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-51S 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 educed shipping damages.

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

SMART-51 Series
- Single 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
- Color & Mono Single Side Printing
- Print Speed: Max. 17 sec/card (YMCKO)
- 300dpi (color), 600, 1200dpi (mono only)
- Edge to Edge Printing
- 2 Lines LCD with 2 LED Buttons for Front Operation
- Optional Top-Side Mag Encoder
- Optional UV Security Printing
- Optional Mag, Contact & Contactless Encoders
- Optional Upgrades to Dual Side, Lamination & Ethernet

IDP

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	Single-Sided/Edge to Edge
Resolution	300dpi (color), 600, 1200dpi (mono only)
Dual Sided Printing	Option (with Flipper)

Print Speed

Monochrome	5 sec./card (720 cards/hour)
YMCKO	Max. 17 sec./card (200 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, Mac OS, Linux
Communication	USB, Ethernet SNMPv3 (option), WiFi (option)
Power Supply	Free Voltage (AC100/220V, 50~60Hz)
Power Consumption	48W
Temperature/Humidity	15~35ºC/35~70%

Certifications

CB CE FC K C

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 390 x 210
Inch (WxLxH)	6.5 x 15.4 x 8.3

Weight

Kg/lbs	4.5/10

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

659366	659380	659378
YMCKO	YMCFKO	HYMCKO
Full Color Ribbon with Resin Black & Overlay	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	350 Cards/Roll

210mm(8.3inch)
165mm(6.5inch)
390mm(15.4inch)

Mono Ribbons

659385	659367	659370	659372	659371	659374	659373	659375
KO	K	W	B	R	MG	MS	SO
Black with Overlay	Black	White	Blue	Red	Metallic Gold	Metallic Silver	Scratch-Off
600 Cards/Roll	1200 Cards/Roll	1200 Cards/Roll	1200 Cards/Roll	1200 Cards/Roll	1200 Cards/Roll	1200 Cards/Roll	1200 Cards/Roll

651398	**SMART-51S**
651367	**Ethernet Option**
651463	**SMART Wi-Fi Kit**
651356	**Magnetic Stripe Enc. Standard**
651359	**Contact SmartCard Enc. (Internal)**
653035	**Contactless SmartCard Enc.**
659366	**YMCKO Full-Color Ribbon**
651366	**Flipper Assembly for Dual-Sided Printing**

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