

smart 51S

Single Sided ID Card Printer



Rugged Construction, Simple to Operate

IDP's SMART-51S printer will produce full-color or monochrome cards reliably for years. Its time-tested design provides high-speed printing, excellent image reproduction and cost savings.

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

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

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	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	15~35°C/35~70%

Certifications

CB CE FCC IEC

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
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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

<p>659366</p> <p>YMCKO</p> <p>Full Color Ribbon with Resin Black & Overlay</p>  <p>250 Cards/Roll</p>	<p>659380</p> <p>YMCFKO</p> <p>Full Color Ribbon with UV Panel, Resin Black and Overlay</p>  <p>200 Cards/Roll</p>	<p>659378</p> <p>HYMCKO</p> <p>Half Panel Size Color Ribbon with Resin Black and Overlay</p>  <p>350 Cards/Roll</p>
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Mono Ribbons

<p>659385</p> <p>KO</p> <p>Black with Overlay</p>  <p>600 Cards/Roll</p>	<p>659367</p> <p>K</p> <p>Black</p>  <p>1200 Cards/Roll</p>	<p>659370</p> <p>W</p> <p>White</p>  <p>1200 Cards/Roll</p>	<p>659372</p> <p>B</p> <p>Blue</p>  <p>1200 Cards/Roll</p>	<p>659371</p> <p>R</p> <p>Red</p>  <p>1200 Cards/Roll</p>	<p>659374</p> <p>MG</p> <p>Metallic Gold</p>  <p>1200 Cards/Roll</p>	<p>659373</p> <p>MS</p> <p>Metallic Silver</p>  <p>1200 Cards/Roll</p>	<p>659375</p> <p>SO</p> <p>Scratch-Off</p>  <p>1200 Cards/Roll</p>
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210mm(8.3inch)
390mm(15.4inch)
165mm(6.5inch)

IDP Americas, Inc.

1485 South County Trail - Unit 306,
East Greenwich, RI 02818
TEL +1.401.400.7111
FAX +1.401.667.7445
E-MAIL sales@idpamericas.com

IDP Corp., Ltd.

#601, 50, Digital-ro 33-gil,
Guro-gu, Seoul, Korea, 08377
TEL +82.2.6099.3700
FAX +82.2.6099.3717
E-MAIL sales@idp-corp.com

SMART-51S

SMART-51SN (Eth)
Contactless Enc. (USB)
Contactless Enc. (Eth)
Contact IC Enc.
Mag Encoding

651398
651404
651360
651362
651359
651356

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

*Warranty: IDP printers and options are warranted against manufacturer defects for up to 3 years and print heads for up to 2 years with unlimited prints. Additionally, IDP offers a 3-Year Advance Exchange warranty within the continental USA. Contact IDP for more details.

www.idp-corp.com