

# smart 31S

## Single Sided ID Card Printer



### Entry-Level Simplex ID Card Printer for Small Organizations

IDP's easy-to-use SMART-31S printer will produce full-color or monochrome cards reliably for years. Its time-tested design provides robust printing speeds, excellent image reproduction and cost savings.

The SMART-31S offers a wide range of optional features including Ethernet, smartcard encoding, and ultra-violet (UV) printing. Now small businesses can afford to produce their own ID Cards.

- Single Sided Entry-Level ID Card Printer
- Small and Light Weight (7.5 lbs)
- Easy to Use & Maintain
- FINE™ Imaging Technology
- Low Cost per Print
- Best-In-Class Warranty\* (See backside for details)

### Features

- Color & Mono Single Side Printing
- Print Speed: Max. 20 sec/card (YMCKO)
- 300 x 300 to 300 x 1200 dpi Edge to Edge Printing
- Field Upgradable to Dual Side Printing (flipper)
- LED Status Light & Watchman Print Monitor
- Optional UV Security Printing
- Optional Mag, Contact, & Contactless Encoding
- Optional 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-31 Series printers come with highly effective 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 & Mono), 600 & 1200dpi (Mono Only)
Dual Sided Printing	Optional (with Flipper)

## Print Speed

Monochrome	5 sec./card (720 cards/hour)
YMCKO	Max. 20 sec./card (180 cards/hour)

## System

Memory	64MB RAM
Display	1 LED Button
Supported Platforms	Microsoft Windows 2000/2003/XP/Vista/7/8/10/11, Mac OS, Linux
Communication	USB, Ethernet (Optional)
Power Supply	Free Voltage (AC100/200V, 50~60Hz)
Power Consumption	48W
Temperature/Humidity	15~35°C/35~70%

## Certifications

CB CE FCC ENEC

## Card

Card Feeding	Automatic
Card Size	ISO CR80 (54mm x 86mm/2.12" x 3.38")
Card Thickness	0.38mm (15mil), 0.76mm (30mil)
Card Type	PVC, PET, Composite PVC

## Capacity

Input Hopper	80 cards
Output Hopper	25 cards

## Dimensions

Millimeter (WxLxH)	172 x 377 x 190
Inch (WxLxH)	6.8 x 14.8 x 7.5

## Weight


Kg/lbs	3.4/7.5
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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><b>659366</b></p> <p>YMCKO</p> <p>Full Color Ribbon with Resin Black &amp; Overlay</p>  <p>250 Cards/Roll</p>	<p><b>659380</b></p> <p>YMCFKO</p> <p>Full Color Ribbon with UV Panel, Resin Black and Overlay</p>  <p>200 Cards/Roll</p>	<p><b>659378</b></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><b>659385</b></p> <p>KO</p> <p>Black with Overlay</p>  <p>600 Cards/Roll</p>	<p><b>659367</b></p> <p>K</p> <p>Black</p>  <p>1200 Cards/Roll</p>	<p><b>659370</b></p> <p>W</p> <p>White</p>  <p>1200 Cards/Roll</p>	<p><b>659372</b></p> <p>B</p> <p>Blue</p>  <p>1200 Cards/Roll</p>	<p><b>659371</b></p> <p>R</p> <p>Red</p>  <p>1200 Cards/Roll</p>	<p><b>659374</b></p> <p>MG</p> <p>Metallic Gold</p>  <p>1200 Cards/Roll</p>	<p><b>659373</b></p> <p>MS</p> <p>Metallic Silver</p>  <p>1200 Cards/Roll</p>	<p><b>659375</b></p> <p>SO</p> <p>Scratch-Off</p>  <p>1200 Cards/Roll</p>
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172mm (6.8 inch)  
377mm (14.8 inch)  
190mm (7.5 inch)

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<b>SMART-31S</b>	651527
<b>SMART-31SK</b>	651527K
<b>SMART-31SB</b>	651527B
<b>Network Hub</b>	651570
<b>Mag Encoding</b>	651356
<b>Contact Encoding</b>	651359
<b>Contactless Enc. (USB)</b>	651081
<b>Contactless Enc. (Eth)</b>	651083
<b>Flipper Assembly</b>	651315

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](http://www.idp-corp.com)