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-Range ID Card Printer
- Small and Light Weight (7.5 lbs)
- Easy Operation
- FINE™ Imaging Technology
- Lowest Cost per Print
- Best-In-Class Warranty* (See backside for details)

Features

- Color & Mono Single Side Printing
- Print Speed: Max. 20 sec/card (YMCKO)
- 300dpi with Edge to Edge Printing
- 31S Field Upgradable to 31D
- LED Button for Front Operation
- Low-Cost Security with UV Printing
- Optional Encoders: MS, Contact & Contactless
- Upgradable Modules: Flipper & 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	Dye-Sublimation
Print Area	Edge to Edge
Resolution	300dpi (Color & Mono), 600 & 1200dpi (Mono Only)
Dual Sided Printing	Option (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, Mac OS, Linux
Communication	USB, Ethernet (Option)
Power Supply	Free Voltage (AC100/200V, 50~60Hz)
Power Consumption	48W
Temperature/Humidity	15~35ºC/35~70%

Certifications

CB CE FC

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

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



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

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SMART-31S	651527
SMART-31SN K	651527K
SMART-31S B	651527B
Network Hub	651570
Mag Encoding	651356
Contact Encoding	651359
Contactless Enc. (USB)	651081
Contactless Enc. (Eth)	651083
Flipper Assembly	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