smart 31D

Dual Sided
ID Card Printer





Convenient Design, Practical Performance

IDP's easy-to-use SMART-31D 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-31D 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.

- Dual Sided Entry-Level ID Card Printer
- Small and Light Weight (9.5 lbs)
- Easy to Use & Maintain
- FINE™ Imaging Technology
- Low Cost per Print
- Best-In-Class Warranty* (See backside for details)

Features

- Single or Dual Sided Printing
- Print Speed: Max. 26 sec/card (YMCKOK)
- 300 x 300 to 300 x 1200 dpi Edge to Edge Printing
- Automatic Flipper for Dual Sided Printing
- 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 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 encodea 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

IDP

Printing

Print Type	Direct to Card / Dye-Sublimation
Print Area	Edge to Edge
Resolution	300dpi (Color & Mono), 600 & 1200dpi (Mono Only)
Dual Sided Printing	Dual Sided Printing

Print Speed

Monochrome	5 sec./card (720 cards/hour)
YMCKO	Max. 20 sec./card (180 cards/hour)
YMCKOK	Max. 26 sec./card (138 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 472 x 190
Inch (WxLxH)	6.8 x 18.6 x 7.5

Weight

Kg/lbs	4.2/9.5

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	659376	659380	659378
YMCKO	YMCKOK	YMCFKO	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
			
250 Cards/Roll	200 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-31D	651528
SMART-31D K	651528K
SMART-31D B	651528B
SMART-31 R	651533
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