

# smart 81D

## New Retrtransfer Printer.



### New Trusted Identity Begins

SMART-81D is a next generation retransfer card printer that offers the industry's fastest first-card-out speed. IDP's innovative retransfer heating technology- RapidRetransfer Printing technology or "RRP" provides the fastest "Ready to Print" metric in the industry. No more waiting several minutes for your outdated retransfer printer to heat up.

RRP technology from IDP offers power-on and Ready to Print in only seconds. The SMART-81D produces higher quality, sharper-looking images than traditional card printers. It is the perfect choice for demanding applications that require deep dark colors with infinity-edge (full-bleed) graphics on blank or technology cards.

The input card hopper holds up to 200 cards and physical security features allow you to secure your printer, its supplies, and ejected cards in instant bank card issuance or high-security applications.

### Features

- The FASTEST First-Card-Out speed
- High Volume Capacity (200 cards)
- Infinity Edge / Over the Edge Printing
- Stress-free Anti-dust circulation
- Advanced Bank Card Issuance Security
- Robust & Innovative Product design



### 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	Retransfer Dye-Sublimation / Resin Thermal
Print Area	Dual-Sided
Resolution	300dpi

## Print Speed

Monochrome	Max. 25 sec./card (144 cards/hour)
YMCKK	Max. 43 sec./card (84 cards/hour)

## System

Display	2 Line Graphic LCD Indicator / 4 Buttons
Supported Platforms	Microsoft Windows 2000/2003/XP/Vista/7/8/10, Mac OS, Linux
Communication	USB, Ethernet (Option)
Power Supply	100-240V~ 50/60Hz 2.5A
Temperature/Humidity	15~35°C/35~70%

## Certifications

CB CE FCC IC

## Card

Card Feeding	Automatic
Card Size	ISO CR80 (54mm x 86mm/2.12" x 3.38")
Card Thickness	0.76mm (30mil) ~ 1.6mm (64mil)
Card Type	PVC, PET, Composite PVC

## Capacity

Input Hopper	200 Cards
Output Hopper	100 Cards

## Dimensions

Millimeter (WxDxH)	460 x 224 x 310
Inch (WxDxH)	18.1 x 8.8 x 12.2

## Weight

Kg/lbs	11.4 / 25.13
--------	--------------

## Encoding Options

Magnetic	ISO 7811 (Track I, II, III Read/ Write, HiCo/ LoCo)
Contact	ISO 7816 (ID-1)
Contactless	ISO 14443 (Type A/ B), ISO 18092(NFC), MIFARE, DESFIRE
Security	Physical & Electronic Locking System

## Consumables



Color Ribbons

YMCK

Full Color Ribbon with Resin Black  
500 Cards/Roll

YMCKK

Full Color Ribbon with Resin Black & Resin Black for Back Side  
500 Cards/Roll



Retransfer Film

Retransfer Film

500 Cards/Roll



Ribbon & Film Package

YMCK & Retransfer Film

Full Color Ribbon with Resin Black & Retransfer Film

500 Cards/Roll



### 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

<b>SMART-81S</b>	653636
<b>SMART-81SS</b>	653638
<b>Contactless Enc. (USB)</b>	653540
<b>Contact IC Enc.</b>	653539
<b>Mag Encoding</b>	653538
<b>YMCK &amp; Retransfer Film Pack</b>	653547
<b>YMCK (no film included)</b>	659896
<b>YMCKK (no film included)</b>	653378
<b>Retransfer INTM Film</b>	653431
<b>Clear 1mil Laminate Film</b>	653629
<b>Celestial Hologram 1 mil Film</b>	653630
<b>Clear IC Chip, 1mil Film</b>	653631

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)