

# smart 51D

## Dual Sided ID Card Printer



### High Performance Ruggedized Durable Metal-Framed Card Printer

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

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

### SMART-51 Series

- Dual 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

- Single or Dual Sided Printing
- Dual Print Speed: Max. 22 sec/card (YMCKOK)
- 300dpi (color), 600, 1200dpi (mono only)
- Edge to Edge Printing
- 51S Field Upgradable to 51D
- 2 Lines LCD with 2 LED Buttons for Front Operation
- Optional UV Security Printing
- Optional Mag, Contact & Contactless Encoders
- Optional Upgrades to 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 stripes, 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 (212 cards/hour)
YMCKOK	Max. 22 sec./card (164 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 K C RoHS

## 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 498 x 210
Inch (WxLxH)	6.5 x 19.6 x 8.3

## Weight

Kg/lbs	5.2/11.5
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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**

<b>659592</b> YMCKO Full Color Ribbon with Resin Black & Overlay 250 Cards/Roll	<b>659593</b> YMCKOK Full Color Ribbon with Resin Black & Overlay & Black for Back Side 200 Cards/Roll	<b>659594</b> YMCFKO Full Color Ribbon with UV Panel, Resin Black and Overlay 200 Cards/Roll	<b>659595</b> HYMCKO Half Panel Size Color Ribbon with Resin Black and Overlay 350 Cards/Roll
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**Mono Ribbons**

<b>659606</b> KO Black with Overlay 600 Cards/Roll	<b>659596</b> K Black 1200 Cards/Roll	<b>659599</b> W White 1200 Cards/Roll	<b>659600</b> B Blue 1200 Cards/Roll	<b>659601</b> R Red 1200 Cards/Roll	<b>659597</b> MG Metallic Gold 1200 Cards/Roll	<b>659598</b> MS Metallic Silver 1200 Cards/Roll	<b>659602</b> SO Scratch-Off 1200 Cards/Roll
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210mm (8.3 inch)  
165mm (6.5 inch)  
498mm (19.6 inch)

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### SMART-51D

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

651399  
651406  
651360  
651362  
651359  
651356

\*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)