smart 52D

iDP

DTC DUAL-SIDED
ID CARD PRINTER

Mid- to High-Volume Card Printing
Re-Engineered for Speed & Reliability



SMART-52 Series

- Dual-Sided Metal-Framed ID Card Printer
- Fast, Quiet with User-Friendly Touchscreen
- Flexible, Upgradeable & Reliable
- FINE™ Imaging Technology
- 300x1200dpi
- Best-In-Class Warranty: 3-year Advanced Exchange

New Features

- **30% Faster Output** 280 cards/hr YMCKO
- **Touchscreen LCD Interface**
- **Extended Ribbon Capacity** 40% larger ribbon
- **High Volume Printing** 350 cards/roll & 200 card hopper
- **Brilliant, Consistent Color** Excellent Image Reproduction
- **New multi-core CPU & 8x larger memory** (512MB RAM)
- **Top-side Mag. Encoding**

Evolved in Performance. Elevated in Experience.

Introducing the **SMART-52D ID Card Printer**—re-engineered from the ground up to deliver **faster performance**, **smarter control**, and **more efficient dual-sided credential printing**.

Building on the proven reliability of the SMART-51, the SMART-52D combines a durable metal frame with a new multi-core CPU and eight times more RAM, delivering 30% faster printing with stable, professional-quality results. Its touchscreen LCD provides direct control of printer settings and functions without requiring a connected PC.

The 350-print YMCKO ribbon provides 40% more capacity, reducing ribbon changeovers and lowering the overall cost per card. Standard USB and Ethernet connectivity, multi-platform utility, optional encoding, and compatibility with the SMART-52L lamination module provide flexibility for a wide range of credential programs.



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 tools such as database, camera and signature capture plug-in support, as well as smart card reading and encoding.

- Design and print (Image, Photo, and Text)
- 1D, 2D, and QR Code Barcode printing
- Auto portrait (Auto face detection, adjustment of position)
- Printing of sequential numbers
- Card design templates
- Convenient card issuance and data management
- Magnetic stripe, contact, and contactless encoding via compatible plug-ins

Security

The SMART series printers come with highly effective and proven 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 Sockets Layer) over Ethernet
- **PHYSICAL LOCKS** are an optional feature on the SMART-52 Series (Input Hopper & Ribbon)
- **SNMPv3** support over Ethernet

Networking

Standard **built-in Ethernet and USB connectivity** makes the SMART-52D easy to integrate into your environment.

- “Single-wire” printing and encoding lets you print cards and encode magnetic stripes, contact chips, and contactless smart cards over your network when equipped with optional encoding modules.
- The **SMART Ethernet** module can be configured to accept “ open card protocol” print commands for direct printing without a driver.

Technical Specifications

SMART-52D Duplex ID Card Printer



PRINTING

Print Type	Direct-to-Card (DTC) / Dye-Sublimation
Print Area	Dual-Sided / Edge-to-Edge
Print Type	300dpi (color), 600, 1200dpi (mono only)

PRINT SPEED

Monochrome	Max. 1000 cards/hour
YMCKO	Max. 280 cards/hour
YMCKOK	Max. 200 cards/hour

SYSTEM

Memory	512MB RAM (additional 4GB with gender board)
Display & Control	Full-Color LCD Touchscreen
Supported Platforms	Microsoft Windows 7, 8, 10, & 11; macOS; Linux
Communication	USB, built-in Ethernet, and optional Wi-Fi
Power Supply	DC 24V
Power Consumption	48W
Temperature/ Humidity	15~35°C/35~70%

CERTIFICATIONS

CARD

Card Feeding	Automatic
Card Size	ISO CR80 or ISO CR79 (Option-Factory Installed)
Card Thickness	0.38mm (15mil) to 1.0mm (40mil)
Card Type	PVC, PET/PVC Composite, Glossy Printable

CAPACITY

Input Hopper	100 / 200 cards with cover open
Output Hopper	Front 40 cards / Rear 100 cards (Option rear stacker)

DIMENSIONS

Milimeter (WxLxH)	165 x 498 x 210
Inch (WxLxH)	6.5 x 19.6 x 8.3

WEIGHT

Kg/lbs	5.2/11.5

ENCODING OPTIONS

Magnetic	IS07811 (Track I,II,III Read/Write, HiCo/LoCo), JIS II
Contact	IS0 7816 (ID-1)
Contactless	MIFARE, ISO 14443 (Type A/B), IS0 15693 DESFIRE, iCLASS



654219 **SMART-52D**
654213 **SMART Wi-Fi Kit**
654152 **Magnetic Stripe Enc. Upper**
654130 **Magnetic Stripe Enc. Standard**
654131 **Contact SmartCard Enc. (Internal)**
654235 **Contactless SmartCard Enc.**
900714 **Dual-Frequency Encoder**
654135 **Flipper Assembly for Dual-Sided**
654136 **Laminator with Flipper Assembly**
659910 **Rear Exit Card Stacker (100 cards)**



Consumables

Ribbons



Color Ribbons

654013 | YMCKO



350 CARDS/ROLL
Full Color Ribbon with Resin Black & Overlay

654014 | YMCKOK



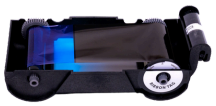
300 CARDS/ROLL
Full Color Ribbon with Resin Black & Overlay & Black for Back Side

654015 | HYMCKO



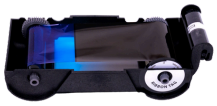
300 CARDS/ROLL
Half Panel Color Ribbon with Resin Black and Overlay

900911 | YMCKO EZ Kit



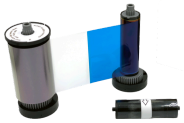
350 CARDS/ROLL
Full Color Ribbon with Resin Black & Overlay

900912 | YMCKOK EZ Kit



300 CARDS/ROLL
Full Color Ribbon with Resin Black & Overlay & Black for Back Side

654047 | YMCPKO



200 CARDS/ROLL
Full Color & Pearlescent Panel Ribbon

654016 | YMCFKO



500 CARDS/ROLL
Full Color Ribbon with UV Panel, Resin Black and Overlay

Monochrome Ribbons

654018 | KO



600 CARDS/ROLL
Black with Overlay

654038 | K



1200 CARDS/ROLL
Black

654039 | W



1200 CARDS/ROLL
White

Coming Soon | B



1200 CARDS/ROLL
Blue

654040 | R



1200 CARDS/ROLL
Red

654041 | MG



1200 CARDS/ROLL
Mettalic Gold

654042 | MS



1200 CARDS/ROLL
Mettalic Silver

654043 | SO



1200 CARDS/ROLL
Scratch-Off

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

Warranty covers printers, print heads up to 20,000 prints, laminators, encoders, parts, and labor for the period of three years. Advance Replacement may apply. Note - SMART-81 offers a life-time print head warranty.

www.idpamericas.com