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

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 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	15~35ºC/35~70%

Certifications

CB CE FC K C UL LISTED

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 x19.6 x 8.3

Weight

Kg/lbs	5.2/11.5

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

659592	659593	659594	659595
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

210mm (8.3 inch)
165mm (6.5 inch)
498mm (19.6 inch)

Mono Ribbons

659606	659596	659599	659600	659601	659597	659598	659602
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

IRIS
RETHINKING IDENTIFICATION

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SMART-51D	651399
SMART-51DN (Eth)	651406
Contactless Enc. (USB)	651360
Contactless Enc. (Eth)	651362
Contact IC Enc.	651359
Mag Encoding	651356