smart 21S

Single Sided
ID Card Printer

Easy Input, Exceptional Output

Perfectly designed for smaller organizations, the IDP SMART-21 plastic ID card printer offers the smallest footprint on the market, a user-friendly solution for producing high-quality ID cards. Whether you need full-color or monochrome cards, this reliable plastic ID printer handles it all with efficiency and ease.

The SMART-21 is great for entry-level demands with lower budgets. Its simple hand-fed card feeder, lightweight design, and versatility make it ideal for printing Staff IDs, Access Badges, Membership Cards, and more.

SMART-21 Series

- Single Sided Entry-Level ID Card Printer
- Small and Light Weight (5.6 lbs)
- Easy Hand Feed Operation
- FINE™ Imaging Technology
- Low Cost per Print
- 1-Year Warranty

Features

- Color & Mono Single Side Printing
- Print Speed: Max. 24 sec/card (YMCKO)
- Print Speed: Max. 5 sec/card (K)
- 300 dpi (color), 600, 1200dpi (mono only)
- Edge-to-Edge Printing
- Increase confidence with SMARTMark Security
- Optional Encoders: Magnetic and Smart Card
- Free SMART IDesigner Software

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

Print Speed

Monochrome	5 sec./card (720 cards/hour)
YMCKO	Max. 24 sec./card (150 cards/hour)

System

Memory	64MB RAM
Control Panel	1 LED Button
Supported Platforms	Microsoft Windows 10/11, Mac OS, Linux
Communication	USB
Power Supply	DC 24V
Power Consumption	48W
Temperature/ Humidity	15~35ºC/35~70%

Certifications

CB CE FC K C

Card

Card Feeding	Manual (Hand Feed)
Card Size	ISO CR80
Card Thickness	Card Thickness: 30mil (0.76mm)
Card Type	PVC, PET, Composite PVC

Dimensions

Millimeter (WxLxH)	165 x 390 x 210
Inch (WxLxH)	6.5 x 15.4 x 8.3

Weight

Kg/lbs	2.5/5.6

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

YMCKO
Full Color Ribbon with Resin Black & Overlay
100 Cards/Roll

179mm
168mm

Mono Ribbons

K	W	MG	MS
Black	White	Metallic Gold	Metallic Silver
1200 Cards/Roll	1200 Cards/Roll	1200 Cards/Roll	1200 Cards/Roll

Specifications and availability may change twi...

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259mm

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653311K	SMART-21 Kit
653311B	SMART-21 Bundle
653313RK	SMART-21 Consumable Kit
653314	Resin Black Ribbon
653317	Resin Metallic Ribbon
653316	Resin Metallic Gold Ribbon
653315	Resin White Ribbon
651356	SMART-21 Magnetic Stripe Enc.
651089	SMART-21 Thermal Print Head

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