



www.idp-corp.com



ID CARD PRINTING SOLUTION

AN INNOVATIVE ID CARD PRINTER
TECHNOLOGY LEADER

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

IDP Americas, Inc.

1485 S County Trail, Unit 306, East Greenwich, RI 02818, USA

TEL: +1-401-400-7111 FAX: +1-401-667-7445

E-mail: sales@idpamericas.com

IDP Middle East

LOB18 Office#1203, JAFZA

VIEW 18, Jebel Ali extension, Dubai - U.A.E.

TEL: +971-4-546-8111

E-mail: mea@idp-corp.com

02

03

AN INNOVATIVE ID CARD PRINTER TECHNOLOGY LEADER

IDP, a leading global manufacturer of Plastic Card Printers, is a trusted source to governments, corporations and universities in over 58 countries.

Since 2005, IDP has engaged in the development, design and manufacture of high-performance plastic card printers with the latest mechanical, electronic, and software technology.

Our success has been grounded by our expertise in the industry.

IDP's printers are used everywhere plastic cards are used, such as employee badges, student IDs, payment cards, access control badges, customer membership, loyalty cards and more.

As a pioneer of SMART card printing technology, our goal is to make plastic card printing widely available, offering business leaders the guidance for distributed or centralized printing projects, and to be the future-ready leaders in the industry.

We look forward to working with you.



smart 81

smart 70
Whatever you want or need.

smart 51

smart 31

smart 21

smartBIT

smart
PORTABLE





04

05

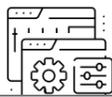
smart SERIES

SMART SERIES : The IDP SMART series card printers are manufactured by IDP Corp., Ltd. They are highly engineered dye-sublimation plastic card printers which provide you with maximum efficiency for production of plastic cards in commercial and government applications. The SMART Photo ID printers range from valued-based entry-level to feature-rich professional units. Printers are available in single or dual-sided and offer many additional features, including a flipper, lamination modules, ethernet connectivity, and various encoders such as magnetic stripe, contact, and contactless. The enhanced FINE™ Imaging Technology of the SMART series optimizes printer output to reproduce life-like images and color tones. There is a SMART printer to meet your business needs: Employee IDs, Banking cards, Membership cards, Access control badges, Government credentials, and much more.



TECHNOLOGY

- _ Crystal clear printing with IDP's exclusive FINE™ Imaging Technology
- _ Instant direct heating laminator - fastest laminator technology in the industry *Patent
- _ Rapid Retransfer Printing Technology *Patent
- _ Field upgradeable options for dual sided printing and laminating
- _ Field upgradeable encoders for magnetic stripe, contact and contactless smart cards
- _ Automatic ribbon recognition and no need for calibration motor
- _ Eco-friendly rewritable printing (SMART-31R & 21R)
- _ 500 cards input hopper and scratch free feeding and exiting (SMART-70) *Patent
- _ High-durability: Ruggedized metal frame and shafts, steel ball bearings (SMART-51, 70 & 81)



SOFTWARE

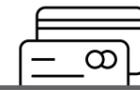
- _ SMART SDK, to develop customized applications
- _ SMART Utilities, to check working states and adjust configurations
- _ SMART IDesigner for designing and issuing cards
- _ On-line life-time technical support



CONVENIENCE

- _ User-friendly design for desktop environment
- _ LCD & LED for status display of printer
- _ Easy Thermal Print Head (TPH) replacement
- _ Front input and output hoppers (SMART-31 & 51)
- _ Drop-in ribbon cartridge (SMART-21, 31 & 51)
- _ Full modular design (SMART-70)
- _ Drawer type ribbon cartridge (SMART-70 & 81)

EASY ISSUING



SMART IDesigner makes it easy to design and print professional badges for a multitude of applications. IDesigner allows you to add images, text, barcodes, manage DB and provide state of the art encoding. SMART IDesigner ensures appropriate card issuance and data management with our SMART series printers. IDesigner offers a simple wizard and templates for convenient and instant card design.

- _ Design and print (Image, Photo and Text)
- _ 1D, 2D & QR Code 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 plug-in program

SMART IDesigner is included free with the purchase of a SMART Series Card Printer.

HIGH SECURITY



SMART Series provides effective physical and electronic security features for access control and data encryption.

PC Authentication	Data Encryption	Password	Physical Lock
-------------------	-----------------	----------	---------------

- _ SMART series has a password verification function to provide administrator and user authentications.
- _ SMART series can set a specific authorized PC for encoding and printing cards.
- _ SMART series can encrypt data transmitted on USB and can support SSL (Secure Socket Layer) protocol on ethernet communications.
- _ SMART-51, 70 & 81 series are equipped with a Physical lock and Kensington lock system on the printer or each module to increase security.

POWERFUL NETWORKING



SMART Series can utilize the network printer servers for encoding and printing cards.

SSL (Secure Socket Layer)

- _ SMART Ethernet module can not only print cards but also encode MS, Contact and Contactless smart card through the network.
- _ SMART Ethernet module has OCP(Open Card Print) protocol which can encode and print cards by using commands on multiple platforms without installing the printer driver.

• App developed by OCP (Open Card Print) on Android or iOS mobile device



smart 81

SMART-81 is a new generation retransfer card printer that offers the fastest production speed in the industry.

IDP's innovative retransfer heating technology- Rapid Retransfer Printing technology or "RRP" provides the fastest "Ready to Print" metric in the industry. No more waiting several minutes for your out-dated retransfer printer to heat up.

RRP technology from IDP offers power-on and Ready to Print in only seconds.

The SMART-81 produces higher-quality, sharper-looking images than traditional card printers. It is the perfect choice for demanding applications which require deep dark colors with infinity-edge (full-bleed) graphics on blank or technology cards.

Precision in Every Print, Excellence in Every Card!



The FASTEST
Boot-up speed



High volume
capacity



Infinity Edge
Printing Quality



Anti-dust
circulation



Advanced Security
Compliant



Robust & Innovative
Product design

PRINT NOW. PRINT MORE.

No more waiting, save your precious time - SMART-81 gives you the fastest production speed and allows you to experience simultaneously power-on and print in only seconds unlike the traditional dye-sublimation card printers which take several minutes.

Innovative retransfer head heating control technology creates more sharp-looking images and text quality every time.

Perfect printing on embedded chip cards - SMART-81 can print graphical card design right to the edges even on smart cards with uneven surfaces. It's the ideal choice for customers that demand more functionality and high security such as government, bank, education, and healthcare.

FORGET ABOUT DUST & THEFT.

Intelligent anti-dust circulation - Designed with fine dust filter and disposable cleaning roller to help flawless printing quality by removing dust and other particles.

An Intelligent air circulation structure effectively controls the temperature in the printer during continuous card issuance.

Advanced security compliance - SMART-81 prevents theft and counterfeiting of sensitive financial resources.

It is equipped with a physical and electronic locking integration system that complies with the **International Banking Instant Issuance Security Standards**.

Additionally, a secured bolt-down fixture supports high-level security ID card demands.

ADVANCED SMART-81 LAMINATOR



- _ Clear, Holographic Film
- _ 20 sec./card | 180 cards per hour
- _ Drawer type cartridge for Laminator Film
- _ Convenient IR communication between modules



smart-81

RETRANSFER ID CARD PRINTER

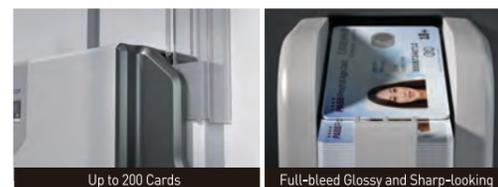
- _ 600 & 300 dpi Single or Dual Sided Printing
- _ Fastest Boot-up speed
- _ Print Speed: Max. 25 sec./card (YMCK) | 43 sec./card (YMCKK)
- _ Infinity Over-the-Edge Printing Quality
- _ High Volume Input hopper (up to 200 cards)
- _ Intelligent Anti-dust circulation
- _ User-friendly Graphical Interface LCD
- _ Internal Flipper Mechanism
- _ Physical & Electronic Locking system
- _ Robust & Innovative Product design

1 RAPID RETRANSFER PRINTING TECHNOLOGY *Patented



Power-on and Print in Only seconds

2 HIGH VOLUME CAPACITY, PERFECT OUTPUT



Up to 200 Cards

Full-bleed Glossy and Sharp-looking

3 INTERNAL FLIPPER MECHANISM & ERROR CARD BIN



Internal Flipper Mechanism

Error Card Bin

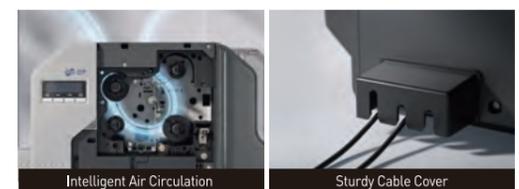
5 ADVANCED SECURITY PHYSICAL & ELECTRONIC LOCKING SYSTEM (*Option)



Physical & Electronic Lock

Bolt-down fixture

4 ANTI-DUST CIRCULATION & USER FRIENDLY



Intelligent Air Circulation

Sturdy Cable Cover

6 CUTTING-EDGE INTEGRATION ALL-IN-ONE TABLET RETRANSFER PRINTER (*Option)



Tab & Print - Effortless Printing

11-inch Built-in Tablet

smart 70

The SMART-70 is a high-performance large capacity ID card printer designed with a unique modular concept that can support various printer configurations to meet the users needs. As seen below, each module is a separate component that is easily attached and synchronized to deliver the perfectly printed and or laminated card. Ideal applications include University ID's, student badging, secure credentials, access control badges, school photography, K12 school IDs, print bureaus, loyalty cards, and more. Virtually any application where the user demands high capacity and high speed printing are well suited to the SMART-70 Series.

Specialty applications such as duplex monochrome, scratch-off personalization, and ultra-high speed (9.9sec YMCKO) can be accommodated with IDP's SMART-70 Dual Printer configuration.

TAILOR-MADE MODULAR DESIGN, ULTIMATE ID CARD PRINTER SOLUTION



SCALABILITY



JUST CONNECT EACH MODULE AND SYNCHRONIZE



MULTI-PRINTER COMBINATION



9.9^{SEC}
364 cards/hour
Partial Area Printing(YMCKO)

12.5^{SEC}
288 cards/hour
Full Area Printing(YMCKO)

* For Single sided Partial area or Full area Color Printing

FEATURES



- 1** _ Large Capacity Max. 500cards
_ Scratch Free
_ Hook for Card-In
_ Residual Q'ty Sensor
Near empty & empty alert notifications
_ High Durability / Indicator LED
_ Physical Lock & Kensington Lock
- 2** _ High Speed Printing
Max. 1,000 cards/h (Mono), Max. 225 cards/h (YMCKO)
_ Enhanced FINE™ Imaging Technology
_ Drawer type ribbon cartridge
_ Installable MS & Contactless Encoder
_ LCD & Button / Indicator LED
_ High Durability
_ Physical Lock & Kensington Lock
- 3** _ Installable Encoding modules
Contact & Contactless Smartcard Encoder
_ Card Flipper
_ High Durability / Indicator LED
_ Error Card Bin* (Max. 30 cards)
_ Physical Lock & Kensington Lock
- 4** _ No warming-up time
Instant direct heating mechanism
_ Scratch Free
_ Drawer type film cartridge
_ LCD & Button / Indicator LED
_ High Durability
_ Physical Lock & Kensington Lock
- 5** _ Large Capacity Max. 500 cards
_ Scratch Free
_ Residual Q'ty Sensor
Full Space alert notifications
_ High Durability
_ Indicator LED
_ Physical Lock & Kensington Lock
- 6** _ Max. 100 cards

* If encoder or scanner options are not selected, Error card bin will be provided.



VERSATILE HOPPER

- _ High Volume In/Output Hopper (Max. 500)
- _ Multi-Hopper
- _ Residual Q'ty Sensor
- _ Physical Lock & Kensington Lock
- _ Scratch Free



STAND-ALONE LAMINATOR

TURN ON AND JUST LAMINATION NOW!

No Need For Device Driver or PC



INPUT HOPPER

To disperse the weight of the stacked cards, the card mallet pushes cards to the weight dispersion point and the lowest card is drawn out by hook. This process prevents the stacked cards from making scratches on the lower card's surface.



OUTPUT HOPPER

When a card is put in the output hopper, to protect the card's surface, the loaded cards are raised by the support beam which is operated by the internal CAM.



HIGH DURABILITY

METAL FRAME

METAL SHAFT & ALL BEARING

smart 51

Born from the successful SMART-50 Series, the SMART-51 is the latest generation mid-range card printer. The Series is a great option for mid-to-high volume printing of ID cards identity badges, access passes and more. The SMART-51 Series offers field upgradeable options for dual sided printing, encoding, and the industry's fastest plastic card laminator. Laminating with the SMART-51L extends the life of your cards as well as increasing the card's security. Clear, generic and custom hologram laminates are available. The SMART-51 is the ONLY printer in its class with a ruggedized metal frame.

IDEAL SOLUTION FOR PRINTING HIGH-QUALITY ID CARDS IN MOMENTS

- _ NEW INPUT HOPPER [UP TO 200 CARDS LOADING]
- _ REMOVABLE OUTPUT HOPPER
- _ SUPPORT OF TRANSPARENT CARDS
- _ CARTRIDGE TYPE LAMINATE FILM LOADING
- _ SUPPORT CR79 CARDS [*OPTION]
- _ TOP-SIDE MAG. ENCODING
- _ ALL-IN-ONE TYPE LOCK SYSTEM [*OPTION]
- _ SINGLE CARD FEEDER [*OPTION]
- _ KENSINGTON LOCK [*OPTION]
- _ REAR-SIDE STACKER [*OPTION]
- _ ETHERNET, WIFI [*OPTION]



Single-sided SMART-51(51S) can be field upgraded to a dual-sided printer(51D) or to a dual-sided laminating printer(51L) by installing a Flipper module or a Laminator module. The SMART-51 Laminating printer is a good option for printing and laminating in one step to produce high-security long-life ID

cards with customizable security patch films. With IDP's patented Direct Lamination technology, the SMART-51L is the industry's fastest "Ready to Print" laminator. In only 8 seconds, IDP's laminator is ready to print and laminate your highly secured cards.

smart-51 S

SINGLE SIDED
ID CARD
PRINTER



- _ Single Sided Printing
- _ Print Speed: Max. 17 sec./card (YMCKO)
- _ 300 (Color & Mono), 600 & 1200dpi (Mono only) with Edge-to-Edge Printing
- _ Installable Encoders: MS, Contact & Contactless
- _ Upgradable Modules: Flipper, Laminator

smart-51 D

DUAL SIDED
ID CARD
PRINTER



- _ Single or Dual Sided Printing
- _ Print Speed: Max. 22 sec./card (YMCKOK)
- _ 300 (Color & Mono), 600 & 1200dpi (Mono only) with Edge-to-Edge Printing
- _ 51S Field Upgradable to 51D
- _ Installable Encoders: MS, Contact & Contactless
- _ Upgradable Modules: Laminator

smart-51 L

LAMINATING
ID CARD
PRINTER



- _ Single or Dual Sided Printing and Laminating
- _ Instant Direct Heating Lamination *patent
- _ Printing & Laminating Speed: Max. 22 sec./card (YMCK & Single Lamination)
- _ 300 (Color & Mono), 600 & 1200dpi (Mono only) with Edge-to-Edge Printing
- _ 51S & 51D Field Upgradable to 51L
- _ Holographic Lamination for Visual Security & Card Durability
- _ Installable Encoders: MS, Contact & Contactless

1 NEW INPUT HOPPER



2 SINGLE CARD FEEDER



3 REMOVABLE - OUTPUT HOPPER



4 REAR-SIDE STACKER



smart 31

Born from the successful IDP SMART-30 Series printers, the SMART-31 is the latest generation mid to entry-level ID card printer.

The SMART-31 is a great printer for small businesses to cost-effectively print professional ID cards. Full color or monochrome printing with single or dual sided options.

SIMPLE AND EASY FOR EVERYONE TO USE



- _ 300, 600 & 1200DPI
- _ EDGE-TO-EDGE PRINTING
- _ EASY CARD ISSUING
- _ EXCELLENT CONVENIENCE
- _ FINE™ IMAGE TECHNOLOGY
- _ LOW-COST SECURITY WITH UV PRINTING
- _ REMOVABLE OUTPUT HOPPER
- _ ETHERNET [*OPTION]

smart-31S

SINGLE SIDED
ID CARD
PRINTER



- _ Single Sided Printing
- _ Print Speed: Max. 20 sec./card (YMCKO)
- _ 300 (Color & Mono), 600 & 1200dpi (Mono only) with Edge-to-Edge Printing
- _ Low Cost Security with UV Printing
- _ Installable Encoders: MS, Contact & Contactless
- _ Upgradable Modules: Flipper

smart-31D

DUAL SIDED
ID CARD
PRINTER



- _ Single or Dual Sided Printing
- _ Print Speed: Max. 26 sec./card (YMCKOK)
- _ 300 (Color & Mono), 600 & 1200dpi (Mono only) with Edge-to-Edge Printing
- _ 31S Field Upgradable to 31D
- _ LED Button for Front Operation
- _ Low Cost Security with UV Printing
- _ Installable Encoders: MS, Contact & Contactless

smart-31R

REWITABLE
ID CARD
PRINTER



- _ Direct Thermal Rewritable Single Sided Printing
- _ Rewrite Speed: Max. 12 sec./card
- _ 300, 600 & 1200dpi with Edge-to-Edge Printing
- _ Installable Encoders: MS, Contact & Contactless

smart 21

SMART-21 is a simple hand-fed desktop ID card printer with compact lightweight design. It is a great choice for instant card issuance of entry-level low-volume demands.

A more work-friendly easy to use ID card printing solution with crystal clear printing quality.

IDEAL FOR SMALL ORGANIZATIONS!



- _ SIMPLE HAND-FED DESKTOP ID CARD PRINTER
- _ 300, 600 & 1200DPI
- _ EDGE-TO-EDGE PRINTING
- _ EASY CARD ISSUING
- _ COMPACT LIGHTWEIGHT DESIGN
- _ FINE™ IMAGE TECHNOLOGY
- _ LOW-COST SECURITY WITH UV PRINTING

smart-21S

SINGLE SIDED
ID CARD
PRINTER



- _ Single Sided Printing
- _ Print Speed: Max. 24 sec./card (YMCKO)
- _ 300 (Color & Mono), 600 & 1200dpi (Mono only) with Edge-to-Edge Printing
- _ LED Button for Printer Status Indication
- _ Low Cost Security with UV Printing
- _ Installable Encoders: Magnetic

smart-21R

REWITABLE
ID CARD
PRINTER



- _ Direct Thermal Rewritable Single Sided Printing
- _ Rewrite Speed: Max. 12 sec./card
- _ 300, 600 & 1200dpi with Edge-to-Edge Printing
- _ LED Button for Printer Status Indication
- _ Installable Encoders: Magnetic



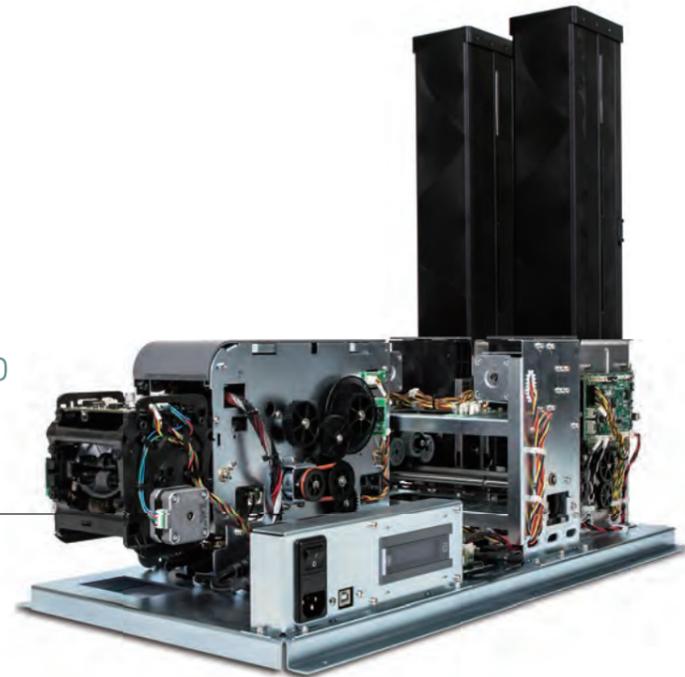
PROVIDES A COST EFFECTIVE SOLUTION!

smart 51

KIOSK CARD PRINTER

The IDP's Kiosk Card Printer is a high capacity, reliable and flexible card printing module for various types of self-service Kiosks.

Using the compact and solid SMART-51 Printing engine and 2 types of Multi-hopper systems the IDP SMART Kiosk Card Printer will provide a variety of choices depending on customers' requirements.



SMART-51K 7M SEIRES IS DESIGNED FOR HIGH-VOLUME, FLEXIBLE AND VARIOUS KIOSKS SOLUTIONS

- _ MAX. 2,000 CARDS LOADING
- _ UP TO 4 DIFFERENT TYPE CARDS LOADING
- _ 300 OR 500 CARDS SELECTABLE CARTRIDGE
- _ SCALABLE CAPACITY (1 TO 4 HOPPER COMBINATION)

14
15

SMART-51K 7M FEATURES



- _ 1 to 4 Hopper Selectable
[up to 2,000 cards or 4 different card types]
- _ 300 or 500 cards Selectable Cartridges
- _ Print speed: Max. 212 cards/hour [YMCKO]
- _ Compact and Reliable design
- _ Customizable bottom plate
[Size, Layout of Control Panel & Adaptors, etc.]
- _ Installable MS, Contact & Contactless Encoder
- _ Scratch Free
- _ Residual Q'ty Sensor
- _ Top-side Mag. Encoding
[*Option]

1 COMPACT & RELIABLE DESIGN



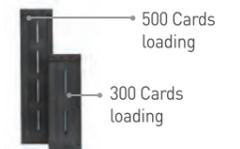
- _ SMART-51 Single or Dual Sided Card Printer
- _ Metal Frame & Shaft Bearings
- _ Customizable bottomplate
- _ Flipper [*Option]

2 SCALABILITY



- _ Selectable 1 to 4 Hoppers
- _ Up to 2,000 Cards
- _ Scratch Free & Hook for Card-In*
- _ Residual Q'ty sensor

3 HIGH-VOLUME CARTRIDGE



- _ Selectable 300 or 500 Cartridge
- _ Rugged & Solid structure
- _ Easy Refillable Cartridge

*Please refer to the Scratch Free & Hook for Card-In features on page 16 for details



SMART-51K CM SERIES DESIGNED FOR ALL TYPES OF SELF-SERVICE KIOSK

- _ MAX. 2,400 CARDS LOADING
- _ UP TO 8 DIFFERENT TYPE CARDS LOADING
- _ 100, 200, AND 300 CARDS SELECTABLE CARTRIDGE
- _ SCALABLE CAPACITY (2 TO 8 HOPPER COMBINATION)

SMART-51K CM FEATURES

1 COMPACT & RELIABLE DESIGN



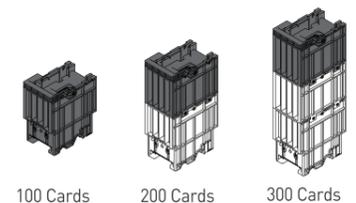
- _ SMART-51 Single or Dual Sided Card Printer
- _ Metal Frame & Shaft Bearings
- _ Customizable bottomplate
- _ Flipper [*Option]

2 ON-DEMAND CAPACITY



- _ Selectable 2 to 8 Hoppers
- _ Up to 2,400 Cards
- _ 8 Different type cards loading

3 BLOCK-TYPE CARTRIDGE



- _ 3 Different Height-adjustable
- _ Detachable Cartridge Structure
- _ Easy height-adjustment

smart 70

MULTIPLE HOPPER

SMART-70 Multiple hopper is designed to satisfy the needs of large capacity with high efficiency for Kiosk operation. From minimum 2 to maximum 6 large capacity 500 cards hoppers can be used depending on the user environment. Monochrome ribbon supports up to 3,000 prints minimizing maintenance cost and time and up to 3,000 cards loadable hoppers with 6 different types on each hopper will maximize the efficiency of the Kiosk application. Prevent scratches on the card surface that can be caused by the weight of stacked cards. Hook for Card-In makes sure of an accurate card feeding. Full metal structure of the multiple hopper system is ideal for high-volume issuance environment.

MULTIPLE HOPPER SYSTEM DESIGNED TO FIT THE SMART-70 SERIES

Max. **3,000**
cards loading

Up to **6** different
type cards loading

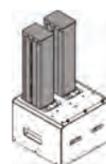
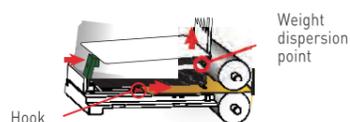


MULTIPLE HOPPER SYSTEM DESIGNED TO FIT THE SMART-70 SERIES

- _ UP TO 6 SELECTABLE HOPPERS
- _ 300 OR 500 CARDS REFILLABLE CARTRIDGE
- _ UP TO 6 DIFFERENT TYPE CARDS LOADING
- _ FULL METAL STRUCTURE

SCRATCH FREE | HOOK FOR CARD IN

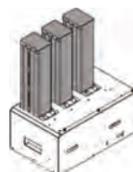
- _ PREVENT STACKED CARDS FROM MAKING SCRATCHES ON THE LOWER CARDS' SURFACE



2 HOPPERS

Max. 1,000 cards
2 Different type cards

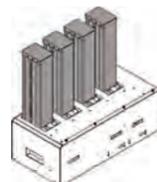
232.7(W) x 308.5(D) x 548(H) mm
11.5(W) x 12.1(D) x 21.6(H) inch



3 HOPPERS

Max. 1,500 cards
3 Different type cards

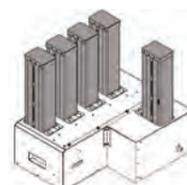
494.9(W) x 308.5(D) x 548(H) mm
18.3(W) x 12.1(D) x 21.6(H) inch



4 HOPPERS

Max. 2,000 cards
4 Different type cards

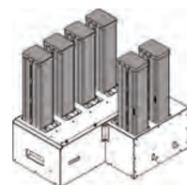
589.9(W) x 308.5(D) x 548(H) mm
23.2(W) x 12.1(D) x 21.6(H) inch



5 HOPPERS

Max. 2,500 cards
5 Different type cards

589.9(W) x 501.7(D) x 548(H) mm
23.2(W) x 19.8(D) x 21.6(H) inch



6 HOPPERS

Max. 3,000 cards
6 Different type cards

589.9(W) x 501.7(D) x 548(H) mm
23.2(W) x 19.8(D) x 21.6(H) inch

COMPACT Multiple Hopper

Ideal for KIOSK

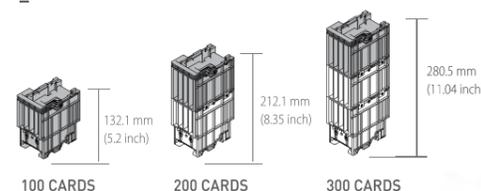
The unique platform is designed to adapt to various sizes of self-kiosk depending on the markets. From minimum 2 to maximum 8 hoppers, it offers greater flexibility and autonomy for instant card printing.

Up to 2,400 cards loadable hoppers with 8 different types on each hopper will maximize the efficiency of Kiosk application.

Full metal structure of the multiple hopper system is ideal for high-volume issuance environment.

BLOCK-TYPE CARD CARTRIDGE DESIGNED TO FIT EASILY INSIDE THE KIOSK

- _ UP TO 8 DIFFERENT CARD TYPE LOADING
- _ 100, 200 OR 300 CARDS REFILLABLE CARTRIDGE
- _ HEIGHT-ADJUSTED DETACHABLE CARD CARTRIDGE
- _ FULL METAL STRUCTURE



Max. **2,400**
cards loading

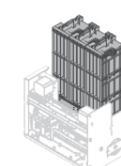
Up to **8** different
type cards loading



CM-2x1-300

Max. 600 cards | 2 Different type cards

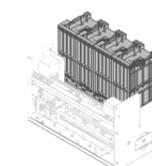
282.8(W) x 209.5(D) x 380.1(H) mm
11.14(W) x 8.25(D) x 14.96(H) inch



CM-3x1-300

Max. 900 cards | 3 Different type cards

282.8(W) x 209.5(D) x 380.1(H) mm
11.14(W) x 8.25(D) x 14.96(H) inch



CM-4x1-300

Max. 1,200 cards | 4 Different type cards

352.8(W) x 209.5(D) x 380.1(H) mm
13.89(W) x 8.25(D) x 14.96(H) inch



CM-2x2-300

Max. 1,200 cards | 4 Different type cards

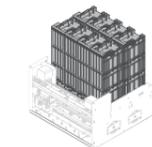
282.8(W) x 324.5(D) x 380.1(H) mm
11.14(W) x 12.78(D) x 14.96(H) inch



CM-3x2-300

Max. 1,800 cards | 6 Different type cards

282.8(W) x 324.5(D) x 380.1(H) mm
11.14(W) x 12.78(D) x 14.96(H) inch



CM-4x2-300

Max. 2,400 cards | 8 Different type cards

352.8(W) x 324.5(D) x 380.1(H) mm
13.89(W) x 12.78(D) x 14.96(H) inch

smart PORTABLE

The SMART Portable, from IDP, is an advanced mobile ID Card printing package. The convenient and portable printing solution offers a sturdy travel case equipped with IDP's latest SMART ID Card Printer. Small, lightweight package offers a long-life printing quality and convenient PC connections to get you up printing quickly anywhere. The SMART Portable is designed for tough card-issuing environments where product size, weight, and limited power are concerned. It is ideal solution for emergency preparation kits, disaster recovery response, field card issuance and similar applications where infrastructure is uncertain.



HANDY AND HARDY CONVENIENT EASY-TO-CARRY SMART PORTABLE SOLUTION

- _ EASY-TO-CARRY & IN-FLIGHT LUGGUAGE SIZE [*7KG]
- _ WATERTIGHT, DUST AND CRUSH PROOF CASE
- _ EXTERIAL CONTROLLER
- _ EASY-TO-USE & HANDY ISSUANCE
- _ EXTENDED BATTERY AND SOLAR CHARGING SYSTEM

HANDY
+
STURDY
+
READY



- 1 IDP SMART-21 CARD PRINTER
- 2 PRINTER ACCESSORY BOX (INCL. ADAPTOR, USB CABLE, DC TO DC CABLE)
- 3 PRINTER CONTROL BOX (POWER SWITCH, USB PORT, ADAPTOR & BATTERY PORT)
- 4 2 X AUXILIARY BATTERY SPACE (BATTERY SPACE SIZE : 83 x 25 x 135mm)



smartBIT

Ribbon | Foil Shredder for Security Assurance



SECURELY DESTROY SENSITIVE PERSONAL INFORMATION



COMPLETE SHREDDING

IDP's Twisted Micro-Cut Technology uses an exclusive method to twist and cut the ribbons and foils completely to shred personal data into tiny particles. *Patented



EASY-TO-USE

Easy to use interface and shredded ribbons can be easily discarded using the SMART-BIT Waste Bag when full.



FLEXIBLE RIBBON | FOIL COMPATIBILITY

The SMART-BIT will accommodate the industry's popular brands of direct-to-card desktop printer ribbons and topping foils.

*Max. 90mm width Ribbon & Foil | 60mm width Retransfer Film

COMPACT EASY-TO-USE DESIGN

SMART-BIT is compact and lightweight and easily fits into any office desktop environment.

232 x 365 x 386 mm / 9.1 x 14.4 x 15.2 inch | 4.8 kg / 10.6 lbs

The SMART-BIT's waste bag will ensure the complete capture of ribbon and foil particles and simple transfer to a waste bin.



SMART-BIT
Ribbon Shredder



SMART-BIT
Foil Shredder

SMART IDesigner

IDP SMART IDesigner Software makes it easy for you to design and print professional ID badges and a multitude of other plastic card needs at your fingertips.

SMART IDesigner allows you to add images, text, barcodes, manage databases and provide card encoding options.

Our SMART IDesigner software comes with the SMART printers free of charge and can be used to design and print ID cards, ID badges, and more.



- Design and print (Image, Photo and Text)
- 1D & 2D Barcode printing
- Autoportrait (Auto face detection, adjustment of size & position)
- Printing of sequential numbers
- Card design templates
- Capture live photos by connecting a camera which will be stored in the cardholders' record.
- 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 plug-in program
- Multi-language support



Design & Print



Encoding
MS, Contact & Contactless



Sequential
Number



Auto portrait



1D & 2D Barcode
printing



Plug-in
Camera, Sign pad, Scanner



Card design
Templates



Convenient
Data management

IDP's SMART IDesigner Software is designed for the SMART brand of printers and will not operate with other printers. For optimal performance, IDP recommends the following minimum PC configuration: Windows 7/8/10/11, a Pentium 1GHz processor with 1GB of RAM.

This software program is not for sale. It is intended to use only with the SMART ID Card Printers. No part of this program may be reproduced and reused anyway without the written permission of IDP Corp., Ltd. IDP Corp., Ltd. or its subsidiaries hold no liability for its use or problems through the dissemination of Smart IDesigner. Standard Terms and Conditions of Sale apply. IDP Corp., Ltd. All rights reserved.



APPLICATIONS

PRINTING SOLUTION IN VERTICAL MARKETS

IDP card printers help business identity and on-demand security more efficiently, we provide solutions everywhere plastic cards are used such as corporations, financial banking, education, government, and healthcare, and more.

IDP offers an extended range of printers that will meet the identification and security requirements of all organizations.

CORPORATION



FINANCIAL



ACCESS CARD



EDUCATION



GOVERNMENT



TRANSPORTATION



Banks are establishing instant credit or debit card issuing system in addition to centralized issuing systems. In this case, customers do not need to wait till their financial cards are issued and mailed.

Access control cards have many objectives, including controlling access at point of entry, enabling users to sign documents electronically, and enter controlled facilities with magnetic stripe, contact and contactless smart card.

Most of all educational organizations need student ID cards. IDP's ID card printers are suitable to issue many types of student ID card.

Government ID cards are typically powerful with multiple layers of security as well as contact or contactless encoding. IDP's printers and supplies offer many options to protect valuable government identities and access.

Transit cards need to charge money for using public transportation for certain periods. It also needs to be personalized to identify users.

GENUINE IDP CONSUMABLES

IDP offers a complete range of ribbons and consumables especially designed for SMART printers. SMART genuine consumables ensure high-quality printing and reliable performance of SMART printers.

22

RIBBONS

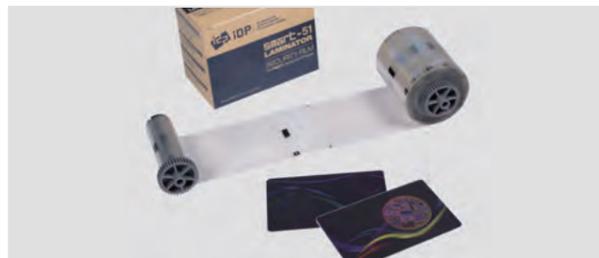
Select color, monochrome or security ribbon for stringent quality standards, consistent print results, rich color, highly detailed images.



23

SECURITY FILMS

IDP Genuine Security films are ideal for any official ID card which needs high security and endure harsh environment.



CLEANING KITS

To help maintain optimum print quality, printer performance, and to maximize the printer's life.



CARDS

IDP plastic cards and smart cards for stringent quality standards and consistent print results.



Consumables for SMART-81 SERIES

COLOR RIBBONS

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

RETRANSFER FILM

Retransfer Film		500 Cards/Roll
-----------------	--	----------------

RIBBON & FILM PACKAGE

YMCK & Retransfer Film		500 cards/ Each Roll
------------------------	--	----------------------

LAMINATING FILM

Holographic Patch Film		500 Cards/Roll
Clear Patch Film		500 Cards/Roll
Clear SMART Cut Patch Film		500 Cards/Roll

Consumables for SMART-70 SERIES

COLOR RIBBONS

YMCKO		500 Cards/Roll	Full Color Ribbon with Resin Black & Overlay
YMCKOK		500 Cards/Roll	Full Color Ribbon with Resin Black, Overlay & Black for Back Side
YMCFKO		500 Cards/Roll	Full Color Ribbon with UV Panel, Resin Black and Overlay
HYMCKO		1000 Cards/Roll	Half Panel Size Color Ribbon with Resin Black and Overlay
YMC		1000 Cards/Roll	Full Color Ribbon

MONO RIBBONS

KO	1500 Cards/Roll	Black with Overlay
K	3000 Cards/Roll	Black
W	3000 Cards/Roll	White
B	3000 Cards/Roll	Blue
R	3000 Cards/Roll	Red
MG	3000 Cards/Roll	Metallic Gold
MS	3000 Cards/Roll	Metallic Silver
SO	3000 Cards/Roll	Scratch-Off

SECURITY FILMS

HPF	500 Cards/Roll	Holographic Patch Film
CPF	500 Cards/Roll	Clear Patch Film
CPS	500 Cards/Roll	Clear SMART Cut Patch Film

Consumables for SMART-51, 31 & 21 SERIES

COLOR RIBBONS

YMCKO		100 Cards/Roll 250 Cards/Roll	Full Color Ribbon with Resin Black & Overlay Full Color Ribbon with Resin Black & Overlay
YMCKOK		200 Cards/Roll	Full Color Ribbon with Resin Black, Overlay & Black for Back Side
YMCFKO		200 Cards/Roll	Full Color Ribbon with UV Panel, Resin Black and Overlay
YMCPKO		200 Cards/Roll	Full Color Ribbon with Pearlescent Panel, Resin Black and Overlay
HYMCKO		350 Cards/Roll	Half Panel Size Color Ribbon with Resin Black and Overlay

MONO RIBBONS

KO	600 Cards/Roll	Resin Black with Overlay
BO	600 Cards/Roll	Dye-sublimation Black with Overlay
K	1200 Cards/Roll	Black
W	1200 Cards/Roll	White
B	1200 Cards/Roll	Blue
R	1200 Cards/Roll	Red
MG	1200 Cards/Roll	Metallic Gold
MS	1200 Cards/Roll	Metallic Silver
SO	1200 Cards/Roll	Scratch-Off

SECURITY FILMS

HPF	250 Cards/Roll	Holographic Patch Film
CPF	250 Cards/Roll	Clear Patch Film
CPS	250 Cards/Roll	Clear SMART Cut Patch Film

24

25

OTHERS

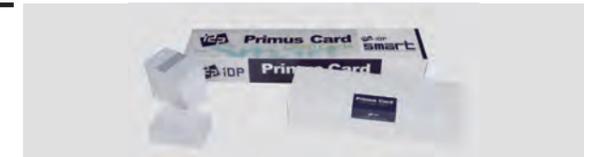
CLEANING KITS

Cleaning Roller	Cleaning Card	Long Cleaning Card
Remove dust, debris on the cards	Manual Cleaning	Automatic Cleaning

Cleaning Swab	Cleaning Pen
Printer Head & Roller Cleaning	Print Head Cleaning

PRIMUS CARD

ISO CR80 | 30mil/0.76mm
_ Blank white PVC Card
_ Paper Card



SMART-BIT ACCESSORIES

Dust Bag	Large Waste Bin	Large Dust Bag
Genuine Dust Bag for SMART-BIT	Genuine Large Waste Bin for SMART-BIT	Genuine Large Dust Bag for Large waste bin

TECHNOLOGIES FOR PRINTER

26

27



1 PLASTIC CARD PRINTING

Plastic cards are prevalent in our daily lives, such as payment cards driver's licenses, membership cards and employee identification badges. Their standard size, portability, and durability make them the ideal choice for many applications.



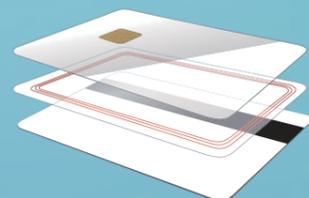
2 LAMINATION

Lamination is a polyester film laminated to a card's surface to protect it from alteration and wear and tear. Holograms can be added to the lamination for added security. In normal use, a laminate can increase your cards' life by up to 5 times.



3 UV PANEL

The Ultra-Violet (UV) ink panel on a YMCFKO (F is the UV Panel) ribbon is a blacklight reactive ink that is not visible with the naked eyes. It is cost-effective and an easy way to add variable security to your cards. The SMART drivers offer easy tools to personalize UV printing, no matter the ID software in use.



4 ENCODING

Encoding is one of the important functions in ID card printer. We issue ID card not only for visual identification but also for storing digital information. There are three major encoding methods- magnetic, contact IC, and contactless. IDP printers support all three types. New encoding methods and protocols come to market frequently, so contact IDP's Sales Team for the best solution to your encoding needs.



SMART-81 PRINTER

Model	SMART-81S	SMART-81D
	Single Sided	Dual Sided
Printing	Print Type	Dye-Sublimation / Resin Thermal Retransfer
	Print Area	Infinity-edge Full Bleed
	Resolution	600 dpi / 300 dpi
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, PC, PET, Composite PVC
Print Speed	Single Sided	Max. 25 sec./card (144 cards/hour)
	Dual Sided	Max. 43 sec./card (84 cards/hour)
Capacity	Input Hopper	200 Cards
	Output Hopper	100 Cards
	Error card bin	25 Cards
System	Memory	128MB RAM
	Display & Control	2 Line Graphic LCD Indicator / 4 Buttons
	Supported Platforms	Microsoft Windows 7/ 8 /10/ 11, Mac OS, Linux
	Communication	USB, Ethernet
Dimensions	Power	100-240V~ 50/60Hz 2.5A
	Temp./Humidity	15~35 °C / 35~70%
Weight	Millimeter/Inch	460 (W) x 224 (L) x 310 (H) / 18.1 (W) x 8.8 (L) x 12.2 (H)
	Kg/lbs	11.4 / 25.1
Options	Encoding	Magnetic stripes : 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
	WiFi	IEEE 802.11 a/ b/ g/ n
	Security	Physical & Electronic Locking System
	Bend Remedy	Available only for the SMART-81S

SMART-81 LAMINATOR

Model	SMART-81L	
Laminating	Type	Direct Heating Lamination
	Speed	20 sec./card 180 cards/hour (Single-sided Laminating)
Laminating Film	Type	Clear, Holographic, TTO
	Thickness	0.6mil, 1.0mil
System	Interface	1 LED Indicator
	Communication	IR
	Power	100-240V ~ 50/60Hz 2.5A
Dimensions	Temp./Humidity	15~35 °C / 35~70%
	Millimeter/Inch	240 (W) x 224 (L) x 260 (H) / 9.5 (W) x 8.9 vvvvv(L) x 10.2 (H)
Weight	Kg/lbs	Approx. 6.2 kg/13.7 lbs
Options	Security	Physical Lock & Kensington Lock

*Print Speed : May change under specific condition.



SMART-70 PRINTER

Printing	Print Type	Direct Dye-Sublimation
	Print Area	Edge to Edge
	Resolution	300dpi
Card	Card Feeding	Automatic
	Card Size	ISO CR80 (54mm x 86mm / 2.12" x 3.38")
	Card Thickness	0.38mm (15mil), 1.2mm (47mil)
	Card Type	PVC, Composite PVC, PET
	Monochrome	3.6 sec./card (1,000 cards/hour)
Print Speed	YMCKO	Max. 16 sec./card (225 cards/hour)
	YMCKOK	Max. 22 sec./card (164 cards/hour)
Capacity	Input Hopper: Card	500 cards
	Output Hopper: Card	Stacker : 100 cards / *Optional Output Hopper : 500 cards
System	Memory	64MB RAM
	Interface	2 Line LCD / 4 Buttons / 1 LED Indicator
	Supported Platforms	MS Windows 7/ 8 /10/ 11, Mac OS, Linux
	Communication	USB, 2 USB Host, Ethernet
	Power Supply	Free voltage (AC 100/ 220V, 50~60Hz)
	Power Consumption	24V, 2A
	Temperature/Humidity	15~35°C / 35~70%
	Magnetic	ISO 7811 (Track I, II, III Read/ Write, HiCo/ LoCo), JIS II
Encoding Options	Contactless	MIFARE, ISO 14443 (Type A/ B), ISO 15693, DESFIRE, iCLASS
	Physical Lock	Ribbon
Security	S/W	PC authentication, Password authentication
	Station Itself	Kensington Lock
Dimensions	Millimeter	240 (W) x 214 (L) x 305 (H)
	Inch	9.5 (W) x 8.4 (L) x 12.0 (H)
Weight	kg/lbs	Approx. 6.3 kg/13.9 lbs

SMART-70 LAMINATOR

Laminating	Type	Direct Heating Lamination
	Speed	19 sec./card (Single-sided Laminating)
Laminating Film	Type	Clear, Holographic
	Thickness	0.6mil, 1.0mil
	Capacity	500 cards/Roll
	Interface	2 Line LCD / 4 Buttons / 1 LED Indicator
System	Communication	USB, RS-232C
	Power Supply	Free Voltage (AC 100/ 220V, 50~60Hz) / 24V, 2.3A
	Power Consumption	24V, 2.3A
	Temperature/Humidity	15~35°C / 35~70%
	Physical Lock	Laminating Film
Security	Station Itself	Kensington Lock
	Millimeter	240 (W) x 214 (L) x 305 (H)
Dimensions	Inch	9.5 (W) x 8.4 (L) x 12.0 (H)
	kg/lbs	Approx. 6.1 kg/13.4 lbs

SMART-70 HYBRID FLIPPER

Encoding Options	Contact	ISO 7816 A/B/C Card, ISO 7816 1/2/3/4 Microprocessor Card
	Contactless	ISO 14443 (Type A/B), Mifare, DEFIRE, iCLASS, ISO 18092(NFC), Felica
System	Communication	USB
	Power Supply	Free Voltage (AC 100/ 220V, 50~60Hz)
	Power Consumption	24V, 2A
	Temperature/Humidity	15~35°C / 35~70%
Security	Physical Lock	Encoder or Error Card
	Station Itself	Kensington Lock
Dimensions	Millimeter	110 (W) x 204 (L) x 305 (H)
	Inch	4.3 (W) x 8.0 (L) x 12.0 (H)
Weight	kg/lbs	Approx. 2.8 kg/6.2 lbs. Without Optional modules)
Error Card Bin Ejection device for faulty card is equipped inside Flipper (Max. 30 cards)		* If encoder options are not selected, Error Card Bin will be provided.

SMART-70 INPUT/OUTPUT HOPPER

Capacity	Input / Output	500 or 300 cards Cartridge Selectable
	Feeding	Automatic
Card	Size	ISO CR80 (54mm x 86mm / 2.12" x 3.38")
	Thickness	0.38mm (15mil), 1.2mm (47mil)
	Type	PVC, Composite PVC, PET
Sensor	Residual Q'ty Sensor	Input: Near Empty & Empty / Output: Full Space
	Detection Sensor	Cartridge Mount Status Detectable
System	Communication	USB, RS-232C
	Power	Free Voltage (AC 100/ 220V, 50~60Hz) / 24V, 2A
	Temperature/Humidity	15~35°C / 35~70%
Security	Physical Lock	Cartridge
	Station Itself	Kensington Lock
Dimensions	Input Hopper (W x L x H)	170 x 204 x 548 mm / 6.7 x 8.0 x 21.6 inch
	Output Hopper (W x L x H)	149 x 204 x 548 mm / 5.9 x 8.0 x 21.6 inch
Weight	Input Hopper (kg/lbs)	Approx. 3.7 kg /8.2 lbs
	Output Hopper (kg/lbs)	Approx. 3.5 kg /7.6 lbs



SMART-51 SERIES

Model		SMART-51S	SMART-51D	SMART-51L
		Single Sided	Dual Sided	Dual Sided & Laminator
Printing	Print Type	Dye-Sublimation		
	Print Area	Edge to Edge		
	Resolution	300dpi (Color & Mono), 600 & 1200dpi (Mono only)		
	Dual Side Printing	Option	Yes	Yes (Flipper Installed)
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		
Print Speed	Monochrome	5 sec./card (720 cards/hour)	5 sec./card (720 cards/hour)	5 sec./card (720 cards/hour)
	YMCKO	Max. 17 sec./card (212 cards/hour)	Max. 17 sec./card (212 cards/hour)	Max. 17 sec./card (212 cards/hour)
	YMCKOK	-	Max. 22 sec./card (164 cards/hour)	Max. 22 sec./card (164 cards/hour)
	Mode	-	-	Single & Dual
Laminating	Film (Clear & Holographic)	-	-	0.6mil, 1.0mil
	Speed	Simultaneous (Single Lamination)	-	22 sec./card (YMCK)
		One by One (Single Lamination)	-	32 sec./card (YMCKK)
		One by One (Single Lamination)	-	43 sec./card (YMCK)
		One by One (Single Lamination)	-	53 sec./card (YMCKK)
Capacity	Input Hopper: Card	100 Cards / 200 Cards with cover open		
	Output Hopper: Card	Front : 40 Cards / Rear : 100 Cards (Optional Rear-side Stacker)		
System	Memory	64MB RAM		
	Display	2 Line LCD		
	Control Panel	2 LED Buttons		
	Supported Platforms	Microsoft Windows 7/ 8 /10 /11, Mac OS, Linux		
	Communication	USB, Ethernet (Option)		
	Power Supply	Free Voltage (AC 100/ 220V, 50~60Hz)		
	Power Consumption	48	48	96
	Temp./Humidity	15~35 °C / 35~70%		
Dimensions	Millimeter (WxLxH)	165 x 390 x210	165 x 498 x 210	165 x 675 x 210
	Inch (WxLxH)	6.5 x 15.4 x 8.3	6.5 x 19.6 x 8.3	6.5 x 26.6 x 8.3
Weight	Kg/lbs	4.5 / 10.0	5.2 / 11.5	8.8 / 19.4
Encoding Options	Magnetic	ISO 7811 (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		
Certifications	CB, CE(UKCA), FCC, KC, CCC			

30
—
31

SMART-31 SERIES

Model		SMART-31S	SMART-31D	SMART-31R
		Single Sided	Dual Sided	Rewritable
Printing	Print Type	Dye-Sublimation		Thermal Transfer
	Print Area	Edge to Edge		
	Resolution	300dpi (Color & Mono), 600 & 1200dpi (Mono only)		
	Dual Side Printing	Option	Yes	No
Card	Card Feeding	Automatic		
	Card Size	ISO CR80		
	Card Thickness	0.38mm (15mil), 0.76mm (30mil)		
	Card Type	PVC, PET, Composite PVC	PVC, PET, Composite PVC	Rewritable Thermo-chromic Material
Print Speed	Monochrome	5 sec./card (720 cards/hour)	5 sec./card (720 cards/hour)	Max. 12 sec./card (300 cards/hour)
	YMCKO	Max.20 sec./card (156 cards/hour)	Max. 20 sec./card (156 cards/hour)	-
	YMCKOK	-	Max. 26 sec./card (124 cards/hour)	-
	Mode	-	-	-
Capacity	Input Hopper: Card	80		
	Output Hopper: Card	25		
System	Memory	64MB RAM		
	Control Panel	1 LED Button		
	Supported Platforms	Microsoft Windows 7/ 8 /10 /11, Mac OS, Linux		
	Communication	USB, Ethernet (Option)		
	Power Supply	Free Voltage (AC 100/ 220V, 50~60Hz)		
	Power Consumption	48	48	48
	Temp./Humidity	15~35 °C / 35~70%		
	Dimensions	Millimeter (WxLxH)	172 x 377 x 190	172 x 472 x 190
Inch (WxLxH)		6.8 x 14.8 x 7.5	6.8 x 18.6 x 7.5	6.8 x 14.8 x 7.5
Weight	Kg/lbs	3.4 / 7.5	4.2 / 9.5	3.4 / 7.5
Encoding Options	Magnetic	ISO 7811 (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		
Certifications	CB, CE(UKCA), FCC, KC, CCC			



SMART-21 SERIES

Model		SMART-21S	SMART-21R
		Single Sided	Rewritable
Printing	Print Type	Dye-Sublimation	Thermal Transfer
	Print Area	Edge to Edge	
	Resolution	300dpi (Color & Mono), 600 & 1200dpi (Mono only)	
Card	Card Feeding	Manual / Hand-Fed	
	Card Size	ISO CR80	
	Card Thickness	0.76mm (30mil)	
	Card Type	PVC, PET, Composite PVC	Rewritable Thermochromic Material
Print Speed	Monochrome	6 sec./card (600 cards/hour)	Max. 12 sec./card (300 cards/hour)
	YMCKO	Max. 24 sec./card (150 cards/hour)	-
System	Memory	64MB RAM	
	Control Panel	1 LED Button	
	Supported Platforms	Microsoft Windows 7/ 8 /10 /11, Mac OS, Linux	
	Communication	USB	
	Power Supply	Free Voltage (AC 100/ 220V, 50~60Hz)	
	Power Consumption	48	
	Temp./Humidity	15~35 °C / 35~70%	
	Dimensions	Millimeter (WxLxH)	168 x 259 x 179
	Inch (WxLxH)	6.6 x 10.2 x 7.0	
Weight	Kg/lbs	2.7 / 5.95	
Options	Magnetic Encoding	ISO 7811 (Track I, II, III Read/ Write, HiCo/ LoCo), JIS II	
	Anti-Theft	Kensington Lock	
Certifications		CB, CE(UKCA), FCC, KC	

SMART-PORTABLE

Model		SMART-PORTABLE
Printing	Print Type	Dye-Sublimation
	Print Area	Edge to Edge
	Resolution	300dpi (Color & Mono), 600 & 1200dpi (Mono only)
Card	Card Feeding	Manual / Hand-Fed
	Card Size	ISO CR80
	Card Thickness	0.76mm (30mil)
	Card Type	PVC, PET, Composite PVC
Print Speed	Monochrome	6 sec./card (600 cards/hour)
	YMCKO	Max. 24 sec./card (150 cards/hour)
System	Memory	64MB RAM
	Control Box	Power Switch, USB Port, Adaptor Port, Auxiliary Battery Port
	Supported Platforms	Microsoft Windows 7/ 8 /10 /11, Mac OS, Linux
	Communication	USB, WiFi
	Power Supply	Adaport: Free Voltage (AC100/220V, 50~60Hz Package Included) Auxiliary Battery Solar Panel ⁽¹⁾
	Power Consumption	48W
	Temp./Humidity	15~35 °C / 35~70%
	Dimensions	Millimeter (WxLxH)
	Inch (WxLxH)	16.9 x 9.3 x 14.1
Weight	Kg/lbs	7.0 / 15.4
Encoding Options	Magnetic	ISO 7811 (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
Case		Watertight, Dustproof and Crushproof Polymer material Automatic Purge Valve Business Card Holder 2 Padlock holes
Certifications		CB, CE(UKCA), FCC, KC

(1) Auxiliary Battery & Solar Panel are not included.

SMART-BIT

Model	SMART-BIT Ribbon Shredder	SMART-BIT Foil Shredder
Shredable Type	Dye-Sublimation Ribbon, Resin & Wax Ribbon	Topping Foil, Retransfer Film
Shredable Width	60mm to 90mm (Installable Ribbon Core Width : Max. 120mm)	Max. 90mm Foil, 60mm Retransfer Film (Installable Foil Core Width : Max. 150mm)
Installable Ribbon/Foil Diameter	Max. Ø80	Max. Ø90
Shredding Speed	Max. 16 meters/minute	Max. 12 meters/minute
Shredder Bin Capacity	6 Rolls (YMCKO, 250 cards/roll)	-
Cutting Type	Twisted Micro Cut ^{*Patent}	
Shredded Particle Size	Approx. 2.5mm	Approx. 3mm
Control	3 Speed (Slow, Normal, Fast mode), Start & Stop, Reverse	2 Speed (Normal, Fast mode), Start & Stop, Reverse
Auto Stop	Finished Shredding, Ribbon Jam	Finished Shredding, Foil Jam
Interface	4 LEDs, 3 Buttons	
Power Supply	DC24V, 2A	
Temperature / Humidity	15~35℃ / 35~70%	
Dimensions(WxLxH)	232 x 386 x 365 mm / 9.1 x 15.2x 14.4 inch	
Weight	Approx. 4.8 kg / 10.6 lbs	
Certifications	CB, CE(UKCA), FCC, KC	

34

35

smart 81



smart 70



smart 51



smart-51S



smart-51D



smart-51L

smart 31



smart-31S



smart-31D



smart-31R

smart 21



smart-21S



smart-21R

smart 51
KIOSK CARD PRINTER



SMART-51K 7M



SMART-51K CM

smart 70
Multiple Hopper



COMPACT
Multiple Hopper



smart
PORTABLE



smartBIT

