IDP

PHOTO ID AND ACCESS PRINTERS

JANUARY 2024 EDITION

AN INNOVATIVE ID CARD
PRINTER TECHNOLOGY
LEADER

IDP, a leading global manufacturer of Plastic Card Printers, is a trusted source for 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 available.

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

IDP provides a complete range of desktop plastic card printing solutions for desktop color printing, security laminating, long-life laser engraving, and for all of the industry's common magnetic, contact and contactless smart card encoding.

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 and centralized printing projects, and to be the future-ready leaders in the industry.

We look forward to working with you.

The IDP **SMART Series** printers are manufactured by IDP Corporation. They are highly engineered dye-sublimation ID card printers which provide you with the maximum efficiency for production of plastic cards in commercial and government applications.

The **SMART Series** is designed to support a flexible user environment, which makes it easy to choose the correct printer to save you money. IDP Card Printers are upgradeable so you can easily add a flipper or laminator for dual-sided printing or laminating, and add various encoders such as magnetic stripe, contact and contactless. The enhanced FINE™ Imaging Technology of the SMART series enables you to print high quality images. The SMART Series is a perfect choice for employee IDs, membership cards, access control badges, secure government credentials, social services cards, and even the instant issuance of banking cards.

Experience the flexibility and quality of IDP's SMART series printers.

SOFTWARE

- **SMART SDK**, to develop customized applications
- **SMART Utilities** for optimizing and testing your printer
- **SMART IDesigner** for designing and issuing cards

TECHNOLOGY

- Crystal clear printing with FINE™ Imaging Technology
- Instant direct heating mechanism for lamination ▪Patent
- Field upgradeable options for dual-sided printing and laminating
- Field upgradeable encoders for magnetic stripe, contact and contactless smart cards
- Automatic ribbon recognition
- Eco-friendly rewritable printing (SMART-31R)
- 500 cards & scratch free (SMART-70) ▪Patent
- High-durability: metal frame construction with steel ball bearings (SMART 51 & 70 Series)
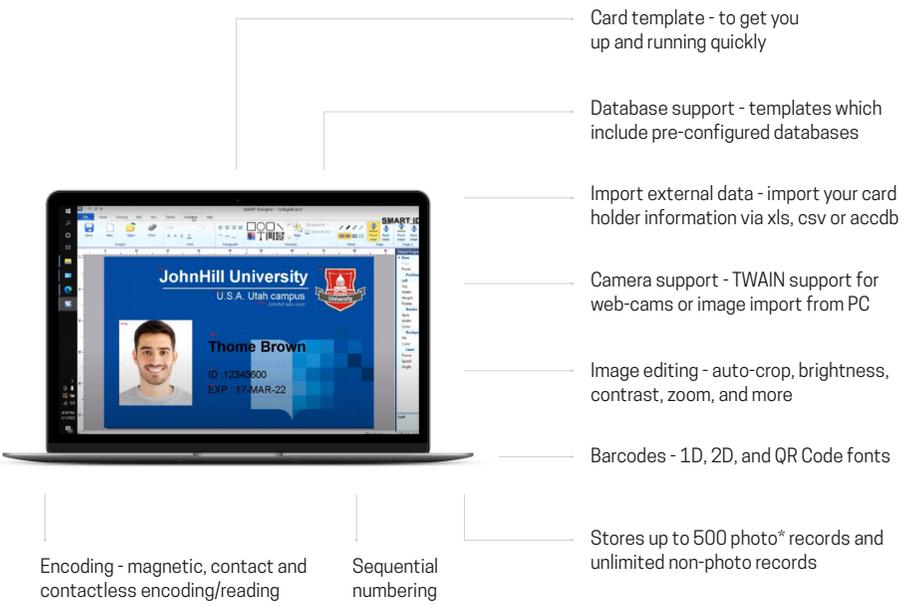
CONVENIENCE

- User friendly design for desktop environments
- 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-31 & 51)
- Unique modular design (SMART-70)
- Drawer type ribbon cartridge (SMART-70)

SMART IDesigner Software

Smart IDesigner Software makes it easy for you to design and print professional badges for a multitude of applications. **SMART IDesigne**r allows you to add images, text, barcodes, manage databases and provide state-of-the-art card encoding options.

SMART IDesigner ensures appropriate card issuance and data management with our SMART series printers at no cost. This application allows you to design and issue cards quickly. **SMART IDesigner** offers a simple wizard and templates to get you started instantly. **SMART IDesigner** advanced features will satisfy most high-end demands for security and longevity.

Card template - to get you up and running quickly

Database support - templates which include pre-configured databases

Import external data - import your card holder information via xls, csv or accdb

Camera support - TWAIN support for web-cams or image import from PC

Image editing - auto-crop, brightness, contrast, zoom, and more

Barcodes - 1D, 2D, and QR Code fonts

Stores up to 500 photo* records and unlimited non-photo records

Encoding - magnetic, contact and contactless encoding/reading

Sequential numbering

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

Great Desktop Card Printer

SMART-21 Series

- 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

ELLIPTICAL DESIGN
SIMONE ADAMS
PROJECT MANAGER

IDP's easy to use **SMART-21** starter ID card printer will produce full-color or monochrome cards reliably for years. Its ultra-small footprint is ideal for small organizations.

The **SMART-21** offers a ready-to-go-kit with a printer, ribbon, 100 cards, and Smart IDesigner badge creation software. Now small businesses can afford to produce their own ID Cards.

Ideal for Corporate IDs, Access control badges, Student IDs, Loyalty/gift cards.

Brilliant Printing

FINE™ Image Technology Optimizes Print Quality:

- High resolution 300 x 300 to 300 x 1200 dpi
- Edge-to-Edge full color printing
- Professional life-like replication

High Production Output

Professional High-Speed Printing:

- Hand-fed manual card feeding
- Full-color printing of over 150 cards per hour
- Monochrome printing of over 600 cards per hour

IDEAL FOR SMALL ORGANIZATIONS

SMART-21 SERIES | MSRP

653311K	SMART-21S Simplex Printer / USB / Kit (1 100 Print YMCKO Ribbon, 100 Primus PVC Cards)	$958.00
653311B	SMART-21S Simplex Printer / USB / Bundle (Kit plus usb Camera)	$1183.00

RIBBONS KITS | MSRP

653313RK	SMART-21 Printer Consumable Kit, - comes with 1 YMCKO 100-print ribbon and 100 CR80 Primus PVC Glossy Printable Cards (only sold as kit)	$70.00
653314	SMART-21 Resin Black ribbon with cleaning roller, 1200 print per ribbon	$30.00
653317	SMART-21 Resin metallic silver ribbon with cleaning roller, 1200 print per ribbon	$115.00
653316	SMART-21 Resin metallic gold ribbon with cleaning roller, 1200 print per ribbon	$115.00
653315	SMART-21 Resin metallic white ribbon with cleaning roller, 1200 print per ribbon	$75.00

OPTIONS | MSRP

651356	SMART-21 Magnetic Stripe Enc. (ISO 7811 (Track I,II,III Read/Write), Hi-Co / Lo-Co Enc.)	$500.00

PRINT HEAD | MSRP

651089	SMART-21 & 31 Thermal Print Head	$720.00

CONSUMABLES

YMCKO
Full Color Ribbon with Resin Black & Overlay

COLOR RIBBONS

100 Cards/Roll

MONO RIBBONS

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

SMART 21 Portable

APPLICATIONS

- On-Site ID Issuance
- National Incident Management System
- Incident Command Systems
- Emergency Operations Center
- Sporting Events

- Entertainment Events
- Music Festivals
- VIP/Attendee Experience
- Child ID Programs

SMART-21 PORTABLE		MSRP
653384K	SMART-Portable System / USB / Ethernet / WiFi / Includes printer, transport case, & Lithium-ion Battery	$4490.00
900705	Additional Lithium-ion Rechargeable Battery for SMART-Portable	$195.00

PORTABLE CARD PRINTER SOLUTION

Color & Mono Single Printing

Print Speed: Max. 24 sec./card (YMCKO)

Removable and water-washable cleaning roller

Edge-to-Edge Printing

Print Speed: Max. 5 sec/card (K)

300 dpi (color), 600, 1200 dpi (mono only)

Increase confidence with SMARTMark Security

Free SMART IDesigner Software

Simple Operation
Exterior Controller

Electricity-free
Extended battery & Solar charging system

Easy-to-carry
In-flight luggage

Study hard case
Watertight, dust & crush proof

Handy issuance
Easy-to-use

7 KG

WE WANT YOUR FEEDBACK

"We purchased the IDP Smart-31 for small runs of ID badges for employees in our office, but we're now using it to print badges for our entire organization. We ran over 2,000 badges this past year with no problems."

★★★★★

— Chandler, confirmed customer

"We have always issued paper IDs' for our employees until we heard about your company. The ease of the software to create new vibrant ID cards has blown us away. The printer is easy to use and portable Great product and would recommend it to all."

★★★★★

— Eric, confirmed customer

"IDP Printers continue to outperform all printers I've worked with in the last 20 years, reliability with robust performance is always a sure winner, this is what IDP brings to the table. Simply put, it outperforms the competition by far."

★★★★★

— Ben, confirmed customer

"We use this device for badge printing with our access system. It works great and we rarely have to troubleshoot it. We just buy and replace ribbon and the device works. Badges look great and the device is user friendly with simple driver installation."

★★★★★

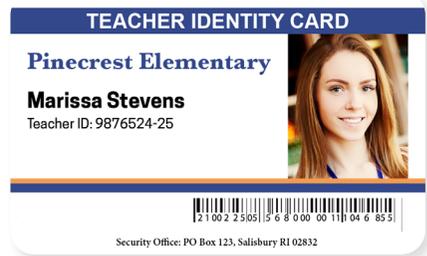— Aleksey, confirmed customer

smart 31

Entry-Level Card Printing

SMART-31 Series

- Single and Dual-Sided Entry-Level Card Printer
- Small and Lightweight (7.5 lbs)
- Easy Operation
- FINE™ Imaging Technology
- Lowest Cost per Print
- 3 YEAR WARRANTY

TEACHER IDENTITY CARD

Pinecrest Elementary

Marissa Stevens
Teacher ID: 9876524-25

21 00 2 25 05| 5 6 8 000 00 11| 04 6 85 5

Security Office: PO Box 123, Salisbury RI 02832

IDP's easy to use **SMART-31** printer will produce full-color or monochrome cards reliably for years. Its time-tested design provides excellent image reproduction and cost savings.

The **SMART-31** offers a wide range of optional features including Ethernet, smartcard encoding, and ultraviolet (UV) printing. Now small businesses can afford to produce their own ID cards.

Ideal for Corporate IDs, Access control badges, Student IDs, Loyalty/gift cards.

Brilliant Printing

FINE™ Image Technology Optimizes Print Quality:
- High resolution 300 x 300 to 300 x 1200 dpi
- Edge-to-Edge full color printing
- Professional life-like replication

High Production Output

Professional High-Speed Printing:
- 80 Card input hopper
- Full-color printing of over 180 cards per hour
- Full-color duplex printing of over 138 cards per hour
- Monochrome printing of over 720 cards per hour

smart 31S

smart 31D

SMART-31 SERIES

		MSRP
651527	SMART-31S Simplex Printer / USB	$1490.00
651527K	SMART-31S Simplex Printer / USB / *Kit (1 YMCKO Ribbon, 100 PVC Cards, 1 Cleaning Card)	$1600.50
651527B	SMART-31S Simplex Printer / USB / *Bundle (Kit plus USB Camera)	$1825.50
651536	SMART-31S Simplex Printer / USB / Ethernet	$1650.00
651536K	SMART-31S Simplex Printer / USB / Ethernet / *Kit (1 250 Print YMCKO Ribbon, 100 PVC Cards, 1 Cleaning Card)	$1760.50
651536B	SMART-31S Simplex Printer / USB / Ethernet / *Bundle (Kit plus USB Camera)	$1985.50
651461	SMART-31S Simplex Printer / USB / Magnetic Encoder	$1990.00
651461K	SMART-31S Simplex Printer / USB / Magnetic Encoder / *Kit (1 250 Print YMCKO Ribbon, 100 PVC Cards, 1 Cleaning Card)	$2100.50
651461B	SMART-31S Simplex Printer / USB / Magnetic Encoder / *Bundle (Kit plus USB Camera)	$2325.50
651528	SMART-31D Duplex Printer / USB	$2190.00
651528K	SMART-31D Duplex Printer / USB / *Kit	$2306.50
651528B	SMART-31D Duplex Printer / USB / *Bundle (Kit plus USB Camera)	$2531.50
651540	SMART-31D Simplex Printer / USB / Ethernet	$2350.00
651540K	SMART-31D Simplex Printer / USB / Ethernet / *Kit (1 250 Print YMCKO Ribbon, 100 PVC Cards, 1 Cleaning Card	$2466.50
651540B	SMART-31D Simplex Printer / USB / Magnetic Ethernet / *Bundle (Kit plus USB Camera)	$2691.50
651462	SMART-31D Duplex Printer / USB / Magnetic Encoder	$2690.00
651462K	SMART-31D Duplex Printer / USB / Magnetic Encoder / *Kit (1 250 Print YMCKO Ribbon, 100 PVC Cards, 1 Cleaning Card	$2806.50
651462B	SMART-31D Duplex Printer / USB / Magnetic Encoder / *Bundle (Kit plus USB Camera)	$3031.50
	* Kit (1 YMCKO or YMCKOK Ribbon, 100 PVC Cards, 1 Long Cleaning Card) *Bundle (Kit & USB Camera)	

OPTIONS

		MSRP
651570	SMART-31 Ethernet Option	$160.00
651356	SMART-31 Magnetic Stripe Enc. (ISO 7811 (Track I,II,III Read/Write), Hi-Co/Lo-Co Enc.)	$500.00
651359	SMART-31 Contact Smart Card Enc. (Internal) ISO 7816 (ID-1)	$535.00
653034	SMART-31 Contactless Smart Card Enc. (Internal, 13.56Mhz) over USB	$535.00
651083	SMART-31 Contactless Smart Card Enc. (Internal, 13.56Mhz) over Ethernet	$540.00
651315	SMART-31 Flipper Assembly (converts 31S simplex to 31D duplex)	$700.00

PRINT HEAD

		MSRP
651089	SMART-31 Thermal Print Head **See full price list for ethernet and smart card options**	$720.00

CONNECT.
DESIGN. PRINT.

smart 51

Mid-Range Card Printing

SMART-51 Series

- Single, Dual, or Laminating Mid-Range Card Printer
- Ruggedized Metal Frame
- High-Resolution 300 x 300 up to 300 x 1200 dpi
- High-Speed Printing
- Large capacity Card Hopper
- FINE™ Imaging Technology
- 3 Year Advance Exchange Warranty
- Now with Wifi Option

EMPLOYEE IDENTITY CARD

KINGSTOWN MEDICAL

Diane Smith
Nurse Practitioner
Employee ID: 9876524-25

2 1 0 0 2 2 5 0 5 5 6 8 0 0 0 0 0 1 1 0 4 6 8 5 5

Security Office: 200 Circuit Drive, North Kingstown RI 02852

IDP's durable metal-framed **SMART-51** printer will produce full-color or monochrome cards reliably for years. It provides excellent image reproduction, reliability, and energy savings.

The **SMART-51** offers a wide range of optional features including duplex printing, laminating, ethernet, & smartcard encoding.

Ideal for Corporate IDs, National IDs, Driver's licenses, Access control badges, Student IDs, Loyalty/gift cards.

Brilliant Printing

FINE™ Image Technology Optimizes Print Quality:

- High resolution 300 x 300 to 300 x 1200 dpi
- Edge-to-Edge full color printing
- Professional life-like replication

High Production Output

Professional High-Speed Printing:

- up to 200 card input hopper
- Full color printing of over 211 cards per hour
- Full color printing & lamin. over 164 cards per hour

New Input Hopper
200 cards with cover open,
100 cards in default

Removable - Output Hopper

Rear-Side Stacker
(up to 100 cards, *Option)

SMART-51 SERIES		MSRP
651398	SMART-51S Simplex Printer / USB	$1760.00
651398K	SMART-51S Simplex Printer / USB / *Kit (1 YMCKO Ribbon, 100 PVC Cards, 1 Cleaning Card)	$1870.50
651398B	SMART-51S Simplex Printer / USB / *Bundle	$2095.50
651404	SMART-51S Simplex Printer / USB / Ethernet	$1920.00
651404K	SMART-51S Simplex Printer / USB / Ethernet / *Kit (1 YMCKO Ribbon, 100 PVC Cards, 1 Cleaning Card)	$2030.50
651404B	SMART-51S Simplex Printer / USB / Ethernet / *Bundle (Kit plus USB Camera)	$2255.50
651399	SMART-51D Duplex Printer / USB	$2320.00
651399K	SMART-51D Duplex Printer / USB / *Kit (1 YMCKO Ribbon, 100 PVC Cards, 1 Cleaning Card)	$2436.50
651399B	SMART-51D Duplex Printer / USB / *Bundle (Kit plus USB Camera)	$2661.50
651406	SMART-51D Duplex Printer / USB / Ethernet	$2480.00
651406K	SMART-51D Duplex Printer / USB / Ethernet / *Kit (1 YMCKO Ribbon, 100 PVC Cards, 1 Cleaning Card)	$2596.50
651406B	SMART-51D Duplex Printer / USB / Ethernet / *Bundle (Kit plus USB Camera)	$2821.50
651400	SMART-51L Duplex Printer & Laminator / USB	$4890.00
651400K	SMART-51L Duplex Printer & Laminator / USB / *Kit (1 YMCKO Ribbon, 100 PVC Cards, 1 Cleaning Card)	$5138.50
651400B	SMART-51L Duplex Printer & Laminator / USB / *Bundle (Kit plus USB Camera)	$5363.50
651410	SMART-51L Duplex Printer & Laminator / USB / Ethernet	$5050.00
651410K	SMART-51L Duplex Printer & Laminator / USB / Ethernet / *Kit (1 YMCKO Ribbon, 100 PVC Cards, 1 Cleaning Card)	$5298.50
651410B	SMART-51L Duplex Printer & Laminator / USB / Ethernet / *Bundle (Kit plus USB Camera)	$5523.50

OPTIONS		MSRP
651367	SMART-51 Ethernet Option	$160.00
651463	SMART-WiFi Kit, 2.4 Ghz speed, WPA2 Security (must be installed with 651367)	$200.00
651356	SMART-51 Magnetic Stripe Enc. Standard (ISO 7811 (Track I,II,II Read/Write), Hi-Co / Lo-Co Enc.)	$500.00
651358	SMART-51 Magnetic Stripe Enc. Upper (ISO 7811 (Track I, II, III Read/Write), Hi-Co / Lo-Co Enc.)	$500.00
651359	SMART-51 Contact Smart Card Enc. (Internal) ISO 7816 (ID-1)	$535.00
653035	SMART-51 Contactless SmartCard Enc. (Prox, DESfire, iCLASS, & Prox (reading) OK5122,USB, Factory Installation ONLY	$570.00
900714	IDP Dual-Frequency Encoder (DESfire, iCLASS, & Prox (reading)) OK5127, USB Printers only. Factory Installation	$500.00
900715	IDP Dual-Frequency Reader ONLY (Prox, DESfire, iCLASS, & Prox (reading)) OK5427, USB Printers only. Factory Installation	$500.00
651362	SMART-51 Contactless Smart Card Enc. (Internal, 13.56Mhz) ISO 14443 (Type A/B), MIFARE, DESfire, i-Class - OVER Eth.	$560.00
651366	SMART-51 Flipper Assembly for Dual-Sided Printing	$560.00
651310	SMART-51 Laminator with Flipper Assembly (Dual-Sided Printing & Dual Side Laminating)	$3130.00
651363	SMART-51 Physical Lock For Printer Card Hopper and Ribbon Door	$160.00
651364	SMART-51L Physical Lock For Laminator Film Door	$145.00
651365	SMART-51 Kensington Lock Security Connection	$100.00
659929.1	SMART-51 Single Card Exception Feeder	$20.00
659910	SMART-51 Rear Exit Card Stacker, holds 100 cards	$110.00

PRINTHEAD		
651411	SMART-51 Thermal print head	$720.00
651393	SMART-51 Thermal laminate head	$880.00

smart 70

High-Capacity Card Printing

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.

Virtually any application where the user demands high capacity and high speed printing are well suited to the **SMART-70** Series.

Ideal for Corporate IDs, National IDs, Driver's licenses, Access control badges, Student IDs, Loyalty/gift cards.

Advanced Security - Bank Card Issuance
The SMART-70 Series offer advanced printing, electronic and physical security:
- Security Lamination (SMART-70L)
- Bank card issuance security compliant
- UV and SMARTMark printed security
- Keyed consumables and Kensington® type lock options

Brilliant Printing
FINE™ Image Technology Optimizes Print Quality:
- High resolution 300 x 300 to 300 x 1200 dpi
- Edge-to-Edge full color printing
- Professional life-like replication

High Production Output
The SMART-70 Series offers high-speed printing:
- 500 Card input hopper (optional 300 card)
- Full color printing of over 225 cards per hour
- Full color printing and laminating of over 200 cards per hour
- Monochrome printing of over 1,000 cards per hour

Rugged Reliability
The SMART-70 Series metal frame offers:
- High resolution 300 x 300 to 300 x 1200 dpi
- Edge-to-Edge full color printing
- Professional life-like replication

Input Hopper   **Printer**   **Hybrid Flipper**   **Laminator**   **Output Hopper**

SMART-70 SERIES   MSRP

IPS	SMART-70 Printer (Simplex) with 500 Card Input Hopper & 100 card exit box	$3770.00
IPO	SMART-70 Printer (Simplex) with 500-Card Input Hopper & 500-Card Output Hopper	$5260.00
IPFS	SMART-70 Printer (Duplex) with 500-Card Input Hopper, Flipper & 100 card exit box	$4690.00
IPFO	SMART-70 Printer (Duplex) with 500-Card Input Hopper, Flipper & 500-Card Output Hopper	$6180.00
IPLS	SMART-70 Printer (Simplex) with Laminator & 100 card exit box	$6260.00
IPLO	SMART-70 Printer (Simplex)with 500-Card Input Hopper, Laminator & 500-Card Output Hopper	$7750.00
IPFLS	SMART-70 Printer (Duplex)with 500-Card Input Hopper, Flipper, Laminator & 100 card exit box	$7180.00
IPFLO	SMART-70 Printer (Duplex)with 500-Card Input Hopper, Flipper, Laminator & 500-Card Output Hopper	$8670.00
ILS	SMART-70 Laminator (Simplex) with 500-Card Input Hopper & 100 card exit box	$3770.00
ILSO	SMART-70 Laminator (Simplex) with 500-Card Input Hopper & 500-Card Output Hopper	$5260.00
651159	SMART-70 Printer Simplex Sided Card Module / No Encoding / USB / Ethernet	$2490.00
651276	SMART-70 Hybrid Flipper Module for Duplex Sided Card Printing & Laminating	$920.00
651289	SMART-70 Laminator Simplex Sided Module	$2490.00
651156	SMART-70 Input Hopper 500-Card Capacity Module	$1280.00
651318	SMART-70 Input Hopper 300-Card Capacity Module	$1130.00
651158	SMART-70 Output Hopper 500-Card Capacity Module	$1490.00
651321	SMART-70 Output Hopper 300-Card Capacity Module	$1250.00
651287	SMART-70 Ribbon Cartridge [Tray] for SMART-70 PRINTER (additional)	$245.00
651288	SMART-70 Laminate Cartridge [Tray] for SMART-70 LAMINATOR (additional)	$245.00
651347	SMART-70 Input or Output Hopper Cartridge with 300-Card Capacity	$650.00
651168	SMART-70 Input or Output Hopper Cartridge with 500-Card Capacity	$710.00
651160	SMART-70 Magnetic Stripe Encoder - ISO 7811 (Track I, II, III Read/Write, Hi-Co/Lo-Co)JIS I	$525.00
651161	SMART-70 Contactless Smart Card Encoder(Internal, 13.56Mhz)	$590.00

Multi-Hopper Solutions

NOTE: STANDARD DISCOUNTS DO NOT APPLY. PLEASE CONTACT IDP FOR DETAILS. Special Order Items.. Please allow 3 weeks for delivery

659900	Multi hopper with 2 500-cards cartridges (1000 cards capacity)	$3400.00
659901	Multi hopper with 3 500-cards cartridges (1500 cards capacity)	$4500.00
659902	Multi hopper with 4 500-cards cartridges (2000 cards capacity)	$5400.00
TBD	Multi hopper with 5 500-cards cartridges (2500 cards capacity)	$6300.00
TBD	Multi hopper with 6 500-cards cartridges (3000 cards capacity)	$7000.00
TBD	Multi hopper with 2 300-cards cartridges (600 cards capacity)	$3200.00
TBD	Multi hopper with 3 300-cards cartridges (900 cards capacity)	$4400.00
TBD	Multi hopper with 4 300-cards cartridges (1200 cards capacity)	$5200.00
TBD	Multi hopper with 5 300-cards cartridges (1500 cards capacity)	$6100.00
TBD	Multi hopper with 6 300-cards cartridges (1800 cards capacity)	$6900.00

SMART-70 Print and Laminate Heads (Use Printer Discounts)

651189	SP S7P Print Head KPE (SMART-70 Series Printer Thermal Print Head)	$900.00
651190	SP S7L Print Head (SMART-70 Series Laminator Thermal Print Head)	$940.00

SMART 81

Retransfer Card Printer

SMART-81 Series

- Heat up & Print Ready in only seconds
- 300, 600 dpi High Definition Printing
- Instant Key Authentication Field Upgrade
- Single to Dual-Sided
- Software Enabled Upgrade Key
- Physical and Electronic Locking System
- Secure Bolt-Down Fixture

GLOBAL TECHNOLOGIES

Jack Johnson

21002 2505 568 000 0

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 or "RRP" technology provides the fastest "Ready to Print" metric in the industry. No more waiting several minutes for your outdated retransfer printer to heat up.

Advanced Security - Bank Card Issuance

- Security lamination (SMART-81L)
- Bank card issuance security compliant
- UV and SMARTMark printed security
- Keyed consumables and kensington® type lock

Brilliant Printing

- High resolution 300 x 300 or 600 x 600 dpi
- Infinity over-the-edge full color printing
- Professional series dye-sublimation printer

Rugged Reliability

- Better print quality
- Long printer life
- Easier maintenance
- Reduced shipping damages

High Production Output

- Fastest "Ready to Print" in the industry
- 200 Card Input Hopper
- Full-Color Printing of over 120 cards per hour

SMART-81 SERIES		MSRP
653636	SMART-81S Retransfer Simplex Printer / USB / Ethernet / 300 dpi	$4,150.00
653636K	SMART-81S Retransfer Simplex Printer / USB / Ethernet / 300 dpi *	$4,470.00
653638	SMART-81S Retransfer Secure Simplex Printer / USB / Ethernet / 300 dpi / Banking Security Features	$4,540.00
653637	SMART-81D Retransfer Duplex Printer / USB / Ethernet / 300 dpi	$4,550.00
653637K	SMART-81D Retransfer Duplex Printer / USB / Ethernet / 300 dpi *	$4,870.00
653639	SMART-81D Retransfer Secure Duplex Printer / USB / Ethernet / 300 dpi / Banking Security Features	$4,940.00
653824	SMART-81D High Resolution Retransfer Duplex Printer / USB / Ethernet / 600 dpi	$4,940.00
653824K	SMART-81D High Resolution Retransfer Duplex Printer / USB / Ethernet / 600 dpi, Kit includes 1ea YMCK / Film Pack, 100 Cards	$5,260.00
653826	SMART-81DS High Resolution Retransfer Duplex Printer / USB / Ethernet / 600 dpi / Banking Security Features	$5,330.00
653635	SMART-81L Laminator Option for SMART-81 Printers	$3,190.00
	Kit includes 1 YMCK Ribbon, 1 Retransfer Film, and 100 Cards	

OPTIONS		MSRP
653538	SMART-81 Mag Stripe Encoder Standard (ISO 7811 (TrackI,II,III Read/Write), Hi-Co/Lo-Co Enc.)	$590.00
653539	SMART-81 Contact Encoder - Contact IC Encoder for Retransfer Printer	$590.00
653540	SMART-81 Contactless Encoder - Contactless IC Encoder for Retransfer Printer	$590.00
653708	SMART-81 Contact IC (ISO 7816 ID-1) & Contactless (13.56Mhz_ISO 14443 Type A/B, MIFARE, Desfire, ISO 18092 NFC)	$1,390.00
653541	SMART-81 Bend Remedy - Bend Remedy for Single Side Retransfer Printer	$390.00
653542	SMART-81 Security Lock - Physical and Electronic Lock for Retransfer Printer	$390.00
653543	SMART-81 WiFi Option for Retransfer Printer	$190.00
653544	SMART-81 Thermal Print Head Replacement, 300 dpi	$720.00
653837	SMART-81 Thermal Print Head Replacement, 600 dpi	$900.00

RIBBONS & LAMINATES		MSRP
653547	SMART-81 YMCK / Color Ribbon / & Retransfer Film Pack / 500 Images	$320.00
653378	SMART-81 YMCKK / Color Ribbon / 500 Images (no film included)	$290.00
653431	SMART-81 Retransfer INTM Film / 500 Images (no ink included)	$75.00
653629	SMART-81 Clear 1mil Patch Laminate Film, 500 patches per roll	$210.00
900849	SMART-81 Laminate "Globe Flags" 1 mil Patch Laminate Film, 500 patches per roll	$240.00
900850	SMART-81 Laminate "Globe Flags ThinFilm Overlay Laminate Film, 1000 patches per roll (Simplex Lamination Only)	$240.00
653630	SMART-81 "Celestial" Hologram 1mil Patch Laminate Film, 500 patches per roll	$385.00
653631	SMART-81 Clear IC Chip, 1mil Patch Laminate Film, 500 patches per roll	$220.00

RAPID RETRANSFER PRINTING TECHNOLOGY *Patented

Power-on and Print in Only seconds

HIGH VOLUME CAPACITY INPUT HOPPER

(UP TO 200 CARDS)

INTELLIGENT ANTI-DUST CIRCULATION

Intelligent Air Circulation · Fine dust filte

INTERNAL FLIPPER MECHANISM & ERROR CARD BIN

Internal Flipper Mechanism · Error Card Bin

ADVANCED SECURITY PHYSICAL & ELECTRONIC LOCKING SYSTEM *Option

Physical & Electronic Lock · Bolt-down fixture

INNOVATIVE DESIGN ROBUST & USER FRIENDLY

Noticeable Cartridges · Sturdy Cable Cove

SMART-81 Printer with Advanced Laminator

smartBIT™

Ribbon Shredder
for Security

- Security Assurance
- Complete Shredding
- Twisted Micro-Cut Technology
- Flexible Card Printer Ribbon Compatibility
- Compact Easy-to-Use Design

With IDP's Twisted Micro-Cut Technology (patent pending), **SMART-BIT** uses unique twist and cut motions to completely shred ID card printer ribbon panels into tiny unrecognizable particles.

Flexible Card Printer Ribbon Compatibility

The **SMART-BIT** is designed to accommodate the industry's popular brands of direct-to-card printer ribbons.

Compact Easy-to-Use Design

SMART-BIT is compact and lightweight in design. It will easily fit into any office desktop environment. The SMART-BIT's waste bag will ensure complete capture of ribbon particles and simple transfer to a waste bin.

HIPPA and FERPA Requirements

Healthcare and Educational organizations require proper disposal of sensitive personal information:

- Used ID printer card ribbons contain card holder information
- Names, addresses, account numbers, birthdates and more
- Data can be stolen and used to create fake / counterfeit ID cards
- Monochrome printing of over 1,000 cards per hour

Security Assurance

The SMART-Bit offers peace of mind and limits liability:

- 500 Card input hopper (optional 300 card)
- Full color printing of over 225 cards per hour
- Full color printing and laminating of over 200 cards per hour
- Monochrome printing of over 1,000 cards per hour

Shreddable Ribbon Type	Dye-Sublimation Ribbon, Resin and Wax Ribbon
Shreddable Ribbon Width	60mm to 90mm (Installable Ribbon Core Width: Max 120mm)
Installable Ribbon Diameter	Max. 80mm
Shredding Speed	Max. 20 meters / minute
Shredder Bin Capacity	8 Rolls (YMCKO, 250 cards/roll)
Cutting Type	Twisted Micro Cut
Shredded Particle Size	Approx 2.5mm
Control	Speed (Normal or Fast mode), Start & Stop, Reverse
Auto Stop	Finished Shredding, Full Waste Bag
Interface	4 LEDs, 3 Buttons
Power Supply	Free Voltage (AC100 / 240V, 50~60Hz)
Power Consumption	DC 24V, 2.5A
Temperature / Humidity	15~35°C / 35~70%
SMART-BIT Warranty	100km or 1 Year Depot Service

SMART-BIT RIBBON SHREDDER		MSRP
651577	SMART-BIT Shredder includes shredder, bin, power supply, one disposal bag	$890.00
659943-5	Disposal waste bag kit for standard bin (5pack). Each bag holds 8 YMCKO ribbons	$59.00
659943	Disposal waste bag case for standard bin (80 bags/16 5 packs)	$944.00
659950	Cutter Blade Assembly, Replacement	$670.00
659945	Standing frame bin for large 70 liter bags (comes with 20 bags)	$370.00
659946	Large disposal waste bag case for standing frame bin	$110.00

SMART **KIOSK**

Compact Multi hopper

- Compatible with all SMART Printers
- Industry's smallest size/footprint
- Keyed card cassettes to reduce miss-loading of cards
- Up to 8 Hoppers holding up to 300 cards each for a maximum of 2400 cards

## Compact Multi-Hopper system for all types of self-service kiosks

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

Detachable card cartridges can be easily height-adjusted to fit the installation space inside the kiosk.

132.1 mm (5.2 inch)

100 Cards

212.1 mm (8.35 inch)
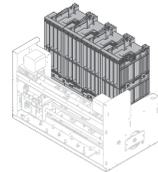
200 Cards

280.5 mm (11.04 inch)
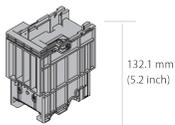
300 Cards

- **CM-2x1-300**
  (2 Hopper)
- 282.8 (W) x 380.1(H) x 209.5(D) mm
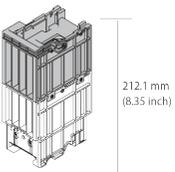 11.14 (W) x 14.96(H) x 8.25(D) inch
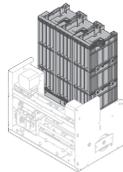
- **CM-3x1-300**
  (3 Hopper)
- 282.8 (W) x 380.1(H) x 209.5(D) mm
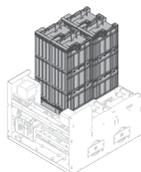 11.14 (W) x 14.96(H) x 8.25(D) inch

- **CM-4x1-300**
  (4 Hopper)
- 352.8 (W) x 380.1(H) x 209.5(D) mm
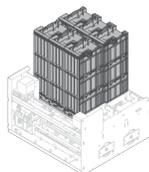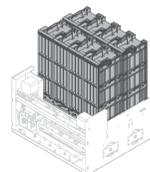 13.89 (W) x 14.96(H) x 8.25(D) inch

- **CM-2x2-300**
  (4 Hopper)
- 282.8 (W) x 380.1(H) x 324.5(D) mm
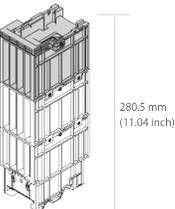 11.14 (W) x 14.96(H) x 12.78(D) inch

- **CM-3x2-300**
  (6 Hopper)
- 352.8 (W) x 380.1(H) x 324.5(D) mm
  13.89 (W) x 14.96(H) x 12.78(D) inch

- **CM-4x2-300**
  (8 Hopper)
- 352.8 (W) x 380.1(H) x 324.5(D) mm
  13.89 (W) x 14.96(H) x 12.78(D) inch

smart 70

Multi-Hopper

- Multiple Hopper system designed for the SMART-70 Series
- Up to 6 Selectable Hoppers
- 300 or 500 Cards Refillable Cartridges
- Up to 6 Different Type Cards Loading
- Full Metal Structure

IDP's Multi Hopper system for the **SMART-70** is designed to fit the needs of large capacity/high efficiency kiosk operations.

From a minimum of 2 to a maximum of 6 large capacity 500 card hoppers that can be used depending on the user environment. Monochrome ribbons support up to 3000 prints minimizing maintenance cost and time and up to 3000 card loadable hoppers with 6 different types on each hopper that can maximize the efficiency of the kiosk application.

The SMART-70's unique full modular design makes it possible to add an encoding module and laminating module.

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

Max. **3,000** cards loading.

Up to **6different** type cards loading.

Multiple Hopper system designed to fit the SMART-70 series.

New SMARTMark
Security Feature

Easy to Validate – Hard to Duplicate

IDP is pleased to launch our new **SMARTMark** security feature! This new enhanced security feature is similar to a watermark or a color-shifting ink and will add an additional layer of security to your Photo IDs

The **SMARTMark** element can be an image, a logo, static text, or variable text. IDP can assist in the creation of your custom image or you can choose from one of the images we provide for free.

SMARTMark Security has three options:

1 **SMARTMark Security** – uses the printers standard "O" panel from the YMCKO ribbon. The printer uses the O panel to print an image or text while still maintaining the cards full protection against dye-migration and fading. The final printed effect is similar to a latent holographic image

2 **SMARTMark UV Security** – uses the YMCFKO UV ribbon and the printer uses the F (florescent/ultraviolet) panel to print an image or text. The final printed effect is invisible to the naked eye but is easily recognized by trained staff using a UV / black light.

3 **SMARTMarkOP Security** – uses a YMCPKO pearlescent ribbon and the printer uses the P (pearlescent) panel to print an image or text. The final printed effect is similar to a color-shifting ink seen on currency or other government documents. These highly secure features are inexpensive and easy to implement by uploading bitmap images to IDP SMART driver or by using IDP SMART iDesigner credential software.

Laminate

IDP offers three types of laminates – clear, clear with smart chip cutouts and stock and custom holograms. IDP laminates provide a layer of protection over your printed cards, making them more durable by providing protection from wear and fading. While clear laminates offer standard protection, hologram laminates go further by embedding a holographic watermark to your ID cards, securing your cards from tampering and counterfeiting.
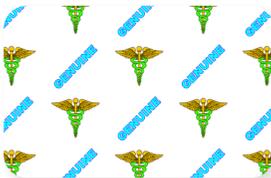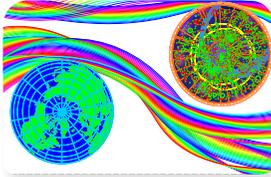
Stock Laminate

IDP offers generic stock holograms that are readily available. Three vertical market holograms are available are "Official Fire/Rescue", "Authentic Law Enforcement", and "Official Medical". We also offer three more generic holograms called "Globe Secure", "Globe Flags", and "Secure Waves". Finally, IDP offers a clear laminate that adds to the cards life, but does not have a holographic image.

Custom Holograms

IDP offers custom holograms with minimum order requirement of 60 rolls for the 51 Series and 40 rolls for the 70 Series and WISE Series. Custom hologram originations are unique to your organization and will be held in a secured facility to ensure the protection of your brand imagery. IDP offers various levels of originations – Levels 1 to 5. (Please see IDP's Laminate Buyers Guide for more details)

Custom/Stock Holograms

Stock and Custom Holograms

IDP's Stock and Custom Holograms increase the levels of security and add value to the life your ID Cards. Stock holograms are generic image laminates that IDP offers to all authorized resellers. There are no minimum order requirements for stock holograms, so small and large organizations can take advantage of their benefits.

IDP also offers custom holograms. Custom holograms are unique and designed specifically for a customer. They are only made available to customer authorized assigned dealers. IDP will assist in designing a hologram using a customers' imagery and will create unique security features using appropriate layers of security (noted below). Custom holograms require a minimum order of 60 to 80 rolls (depending on the laminator).

Stock and Custom hologram laminates are constructed from 1mil patch film meets or exceeds US Driving License standards for durability. Get more security and life from your ID Cards.

Levels of Security

Holographic security is divided into three levels and within each level there are specific holographic features:

- **Level One Overt Features -** these features are visible to the naked eye such as rainbow, grayscale, and true coloring. As well as switch images (an image changes from one image to another by tilting the card), guilloche patterns, and wireframe text. Level One holograms are originated at up to 600dpi.
- **Level Two Overt Features -** these features require some training and or a tool to see, such as color-shifting inks, security inks (UV/IR), micro-text, latent images, and covert laser retrievable images (CLR). Level Two holograms are originated at up to 1200dpi.
- **Level Three Forensic Features -** these features are visible only to trained individuals. They are hidden to a point where even the employees manufacturing the holograms are on a need-to-know basis.

Lamination/Overlay

UV Panel

300dpi & Edge to Edge

Contact

Contactless

Magnetic Stripe

SMART-31 & 51 Series Consumables

INK RIBBONS

		MSRP
659366	YMCKO Full-color, resin black & overlay panel ribbon with cleaning roller, 250 cards/roll	$91.00
900900	YMCKO Ribbon Kit assembled in cassette, 250 images per roll, w/cleaning roller (MOQ10pcs)	$120.00
659863	YMCKO Full-color, resin black, overlay panel ribbon with cleaning roller, 100 cards/roll	$64.00
900903	YMCKO Ribbon Kit assembled in cassette, 100 images per roll, w/cleaning roller (MOQ10pcs)	$93.00
659376	YMCKOK Full-color, two resin black & overlay panel ribbon with cleaning roller, 200 cards/roll	$97.00
900902	YMCKOK Ribbon Kit assembled in cassette, 200 images per roll, w/cleaning roller (MOQ10pcs)	$126.00
659378	YMCKO Half color, resin black, overlay panel ribbon with cleaning roller, 350 cards/roll	$89.00
659380	YMCFKO Full-color & UV panel ribbon with cleaning roller, 200 cards/roll	$113.00
653307	YMCPKO Full-color and pearlescent panel ribbon with cleaning roller, 200 cards/roll	$154.00
659367	K Resin Black ribbon with cleaning roller, 1200 cards/roll	$31.00
900901	K Black Resin Ribbon Kit assembled in cassette, 1200 images per roll, w/cleaning roller (MOQ10pcs)	$57.00
659389	Black/Overlay BO Ribbon dye-sub gray scale black and overlay ribbon with cleaning roller (MOQ 10pcs)	$91.00
659373	MS Resin Metallic Silver he disposable cleaning roller, 1200 cards/roll	$118.00
659374	MG Resin Metallic Gold ribbon with the disposable cleaning roller, 1200 cards/roll	$114.00
659370	W Resin White ribbon with the disposable cleaning roller, 1200 cards/roll	$74.00
659372	B Resin Blue ribbon with the disposable cleaning roller, 1200 cards/roll	$74.00
659371	R Resin Red ribbon with the disposable cleaning roller, 1200 cards/roll	$74.00
659375	SO Scratch-off mono ribbon with the disposable cleaning roller, 1200 cards/roll	$79.00
659385	KO Dye-Sub Black&overlay ribbon with cleaning roller, 600 cards/roll	$78.00

SMART-51 LAMINATES

659390	Clear patch type laminate film, 1mil (25mic), standard, 250 cards/roll	$94.00
659392	Hologram patch type laminate film, 1mil (25mic), "Globe Flags", 250 cards/roll	$120.00
659405	Hologram patch type laminate film, 1mil (25mic), "Celestial", 250 cards/roll	$160.00
900802	Hologram patch type laminate film, 1mil (25mic) "Genuine Medical",250 images/roll	$160.00
900803	Hologram patch type laminate film, 1mil (25mic) "Secure Globe",250 images/roll	$160.00
659398	Clear patch type laminate film, 1mil (25mic), smart cut, 250 cards/roll	$105.00
900800	Alternating full Clear IC patch film front, 1/2 clear patch back, 1mil, 125 cards/roll, (Special Order)	$132.00
900801	Alternating Full Clear Patch Film front, Half Clear Patch Film Back, 1mil, 125 cards/roll, (Special Order)	$132.00
900804	Hologram patch type laminate film, 1mil (25mic) "Official Fire/Rescue", 250 images/roll (Special Order)	$200.00
900805	Hologram patch type laminate film, 1mil (25mic) "Law Enforcement", 250 images/roll (Special Order)	$200.00
900806	Alternating Full Hologram patch "Secure Globe" front, Full clear patch back, 1mil, 125 cards/roll	$195.00
900807	Alternating Full Hologram patch "Secure Globe" front, 1/2 clear patch back, 1mil, 125 cards/roll	$195.00

SMART-70 Series Consumables

INK RIBBONS		MSRP
659111	YMCKO Full-color, resin black & overlay panel ribbon with cleaning roller, 500 cards/roll	$182.00
659243	YMC Full-color panel ribbon with cleaning roller, 1000 cards/roll (must laminate or use with 659111)	$208.00
659113	YMCKOK Full color, two resin black and overlay panel ribbon with cleaning roller, 500 cards/roll	$239.00
659112	YMCKO Half-color, resin black, overlay panel ribbon with cleaning roller, 1000 cards/roll (Special Order)	$248.00
659114	YMCFKO Full-color and UV panel ribbon with cleaning roller, 500 cards/roll	$259.00
659115	K Resin black ribbon with cleaning roller, 3000 cards/roll	$73.00
659197	MS Resin metallic silver ribbon with cleaning roller, 3000 cards/roll	$270.00
659198	MG Resin metallic gold ribbon with cleaning roller, 3000 cards/roll	$270.00
659193	W Resin white ribbon with cleaning roller, 3000 cards/roll	$182.00
659195	B Resin blue ribbon with cleaning roller, 3000 cards/roll	$182.00
659194	R Resin red ribbon with cleaning roller, 3000 cards/roll	$182.00
659196	SO Scratch-off mono ribbon with cleaning roller, 3000 cards/roll	$192.00
659119	KO Black and overlay ribbon with cleaning roller, 1500 cards/roll	$187.00
659909	IDP Genuine Long sleeve cleaning card kit for automatic cleaning (10pcs)	$45.00
659119	SMART-70 Cleaning Roller Kit	$78.00

SMART-70 LAMINATES		MSRP
659123	Clear patch type laminate film, 1mil, standard, 500 cards/roll	$140.00
659S34-7	Hologram patch type laminate film, 1mil, "Secure Globe", 500 cards/roll	$280.00
659121	Hologram patch type laminate film, 1mil, "Globe Flags", 500 cards/roll	$322.00
659CPFFH-7	Alternating Full-Clear-Patch-Film-Front, Half-Clear-Patch-Film-Back, 1mil (25mic), 250 cards/roll	$222.00
659W26-7	Hologram patch type laminate film, 1mil, "Genuine Medical", 500 cards/roll (Special Order)	$389.00
659W25-7	Hologram patch type laminate film, 1mil, "Official Fire/Rescue", 500 cards/roll (Special Order)	$389.00
659Q66-7	Hologram patch type laminate film, 1mil "Official Law Enforcement", 500 images/roll (Special Order)	$389.00
659Y51FF-7	Alternating Full Hologram patch "Secure Globe" front, Full clear patch back, 1mil, 250 cards/roll	$405.00
659Y51FH-7	Alternating Full Hologram patch "Secure Globe" front, Half clear patch back, 1mil, 250 cards/roll	$405.00

Cleaning Kits & Cards

Long Cleaning Card
Automatic Cleaning
PN: 659909 - 10 pcs ($4.00)

Cleaning Swab
Print Head & Roller Cleaning
PN: 659006-II - 10 pcs ($46.00)

Primus Card
PVC, Composite, Proximity,
Polycarbonate, and more

Cleaning Rollers
PN: 659005 (30, 31, 50, 51) - 10pcs ($60.00)
PN: 659217 (70) - 10pcs ($75.00)

Cleaning Pen
Print Head Cleaning
PN: 659007-II - 12 pens ($46.00)

SMART-21 Specifications

MODEL		SMART-21S	SMART-21R
		Single Sided	Rewritable
Printing	**Print Type**	Dye-Sublimation	Thermal Transfer
	Print Area	Edge-to-Edge	
	Resolution	300dpi (Color), 600, 1200dpi (Mono only)	
Card	**Card Feeding**	Manual (Hand Feed)	
	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)	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, Mac OS, Linux	
	Communication	USB	
	Power Supply	Free Voltage (AC 100/220V, 50-60Hz)	
	Power Consumption	48W	48W
	Temperature/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**	ISO 7811 (Track I, II, III Read/Write, HiCo / LoCo), JIS II	
	Anti-Theft	Kensington Lock	

SMART-31 Specifications

MODEL		SMART-31S	SMART-31D	SMART-31R
		Single Sided	Dual Sided	Rewritable
Printing	Print Type	Dye-Sublimation		
	Print Area	Edge-to-Edge		
	Resolution	300dpi (Color), 600, 1200dpi (Mono only)		
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 Thermochromic 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 (180 cards/hour)	Max. 20 sec./card (180 cards/hour)	—
	YMCKOK	—	Max. 26 sec./card (138 cards/hour)	—
Laminating	MODE	—	—	—
	Film (Clear & Holographic)	—	—	—
	Speed — Simultaneous Single Lamination	—	—	—
		—	—	—
	Speed — One by One Single Lamination	—	—	—
		—	—	—
Capacity	Input Hopper: Card	80		
	Output Hopper: Card	25		
System	Memory	64MB RAM		
	Display	—		
	Control Panel	1 LED Button		
	Supported Platforms	Microsoft Windows 7 / 8 / 10, Mac OS, Linux		
	Communication	USB/Ethernet (Option)		
	Power Supply	DC 24V		
	Power Consumption	48W	48W	48W
	Temperature/Humidity	15-35˚C / 35 ˜ 70%		
Dimensions	Millimeter (WxLxH)	172 x 377 x 190	172 x 472 x 190	172 x 377 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	3.5 / 7.5	4.2 / 9.5	3.5 / 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	Certifications	CB, CE, FCC, KC, CCC		

SMART-51 Specifications

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), 600, 1200dpi (Mono only)		
	Dual Side Printing	Option (with Flipper)	Yes	Yes (Flipper Installed)
Card	Card Feeding	Automatic		
	Card Size	ISO CR80 or 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)
Laminating	MODE	—	—	Single & Dual
	Film (Clear & Holographic)	—	—	0.6mil, 1.0mil
	Speed — Simultaneous Single Lamination	—	—	22 sec./card (YMCK)
		—	—	32 sec./card (YMCKK)
	Speed — One by One Single Lamination	—	—	43 sec./card (YMCK)
		—	—	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, Mac OS, Linux		
	Communication	USB/Ethernet, SNMPv3 (Option), WiFi (Option)		
	Power Supply	DC 24V		
	Power Consumption	48W	48W	96W
	Temperature/Humidity	15-35˚C / 35 ˜ 70%		
Dimensions	Millimeter (WxLxH)	165 x 390 x 210	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	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	Certifications	CB, CE, FCC, KC, CCC		

SMART-70 Specifications

MODEL		SMART-70
Printing	**Print Type**	Direct to Card Dye-Sublimation
	Print Area	Edge-to-Edge
	Resolution	Color 300 dpi / Mono 300 to 1200 dpi
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
Print Speed	**Monochrome**	3.6 sec./card (1,000 cards/hour)
	YMC/KO	Max. 9.9 sec./card (363.6 cards/hour)
	YMCKO	Max. 16 sec./card (225 cards/hour)
	YMCKOK	Max. 22 sec./card (164 cards/hour)
	YMCK/Lam	Max. 18 sec./card (200 cards/hour)
	YMC/K/Lam	Max. 26 sec./card (138 cards/hour)
Capacity	**Input / Output**	500 cards / 100 cards or 500 with Output Hopper
System	**Memory**	64MB RAM
	Interface	2 Line LCD / 4 Buttons / 1 LED Indicator
	Supported Platforms	MS Windows 7 / 8 / 10 Mac OS, Linux
	Communication	USB, 2 USB Host, Ethernet
	Power	DC 24V, 2A
	Temperature/Humidity	15-35°C / 35 ~ 70%
	Magnetic	ISO 7811 (Track I, II, III Read/Write, HiCo/LoCo), JIS II
Encoders		Magnetic ISO 7811 / Software Locks / Password Authentication
Security		Physical Locks / Software Locks / Password Authentication
Dimensions		Vary based on configuration - contact Sales
Weight		Vary based on configuration - contact Sales

SMART-81 Specifications

MODEL		SMART-81S	SMART-81D
Printing	**Print Type**	Dye-Sublimation	Thermal Transfer
	Print Area	Single-Sided	Dual-Sided
	Resolution	300dpi	
Card	**Card Feeding**	Automatic	
	Card Size	ISO CR80	
	Card Thickness	0.76mm (30mil) ~ 1.6mm (64mil)	
	Card Type	PVC, PC, PET, Composite PVC	
Print Speed	**YMCK**	Max. 25 sec./card (144 cards/hour)	
	YMCKK	Max. 43 sec./card (84 cards/hour)	
Capacity	**Input Hopper**	200 Cards	
	Output Hopper	100 Cards	
	Error card bin	25 Cards	
System	**Display & Control Panel**	2 Line Graphic LCD Indicator / 4 Buttons	
	Supported Platforms	Microsoft Windows 7/ 8 /10 /11, Mac OS, Linux	
	Communication	USB, Ethernet	
	Power Supply / Consumption	100-240V~50/60Hz 2.5A	
	Temperature/Humidity	15-35˚C / 35 ˜ 70%	
Dimensions	**WxDxH (Millimeter / Inch)**	460 x 224 x 310 / 18.1 x 8.8 x 12.2	
	Kg/lbs	11.4 / 25.13	
Options	**Encoding**	Magnetic stripes : 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	
	WiFi	IEEE 802.11 a/b/g/n	
	Security	Physical & Electronic Locking System	

Proximity Cards

"Prox" / Proximity Supported formats include 26-Bit to 37-Bit. Supported Brands include: H10301, AMAG, AWID, Indala, Kantech, FarPointe, Keri, Clock & Data, Honeywell, DSX, Keyscan, Lenel, Napco, and others.

**(Please specify card format, facility number and card sequence on orders)

Primus PVC proximity, 26-bit, CR80.30 Mil, Graphic Quality Cards
MSRP: $400.00 (100 pack)
Part Number: 900201

Primus Composite proximity, 26-bit, CR80.30 Mil, Graphic Quality Cards
MSRP: $450.00 (100 pack)
Part Number: 900202

Primus PVC proximity & Mag, 26-bit, CR80.30 Mil, Graphic Quality Cards
MSRP: $480.00 (100 pack)
Part Number: 900203

Primus Composite proximity & Mag, 26-bit, CR80.30 Mil, Graphic Quality Cards
MSRP: $510.00 (100 pack)
Part Number: 900204

Lanyards

PN: 900620

Black Round 1/8" (3 mm) Standard with Nickel Plated
Steel Swivel Hook Green, Navy, Royal, Red, and Black
100 pack ($180.00) MSRP

PN: 900640

Royal Blue 3/8" (10 mm) Breakaway Lanyard
with Nickel Plated Steel Swivel Hook
100 pack ($170.00) MSRP

PN: 900625

Black 3/8" (10 mm) Breakaway Lanyard with
Nickel Plated Steel Swivel Hook Green, Navy,
Royal, Red, and Black
100 pack ($270.00) MSRP

PN: 900645

3/8" (10 mm) White Lanyard with Nickel
Plated Steel Bulldog Clip
100 pack ($110.00) MSRP

Badge Reels

PN: 900631

Badge Reel, Chrome, Plastic Badge Reel,
Clear Strap & Belt Clip. 100 Pack
100 pack ($400.00) MSRP

PN: 900633

Badge Reel, White w/ Clear Vinyl Straps & Belt Clip.
100 pack ($250.00) MSRP

PN: 900630

Black Badge Reel with Clear Vinyl Strap & Belt Clip 100
100 pack ($250.00 MSRP) (Red, Black, Blue)

PN: 900634

Badge Reel, Vinyl Strap Clip w/ Nickel
Plated Steel 2-Hold Clip, Clear
100 pack ($65.00 MSRP) (Clear, Red, Black, Blue)

Badge Holders

PN: 900610

Clear Horizontal Badge Holder
100 pack ($85.00) MSRP

PN: 900615

Clear Vertical Badge Holder
100 pack ($85.00) MSRP

PN: 900616

Economy Crystal Clear Vertical Badge Holder,
Side Loaded Card Dispenser
50 pack ($190.00) MSRP)
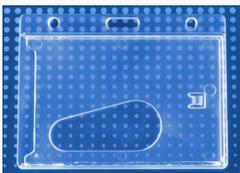
PN: 900617

Economy Crystal Clear Horizontal Badge Holder,
Side Loaded Card Dispenser
50 pack ($190.00) MSRP

ID Card Printing Solution