

Smart

Smart, Smarter than any other
ID Card Printer!



SMART Series

SMART Series, manufactured by IDP Corporation, is a highly engineered dye-sublimation ID card printer which provides you with maximum efficiency for production of plastic cards in commercial and government applications.

SMART Series is designed to support a flexible user environment, which makes it easy to choose the correct printer and save money. You can easily add flipper or laminator, for dual side printing or laminating, and various encoders such as magnetic stripe, contact and contactless. The enhanced FINE™ Imaging Technology of the SMART Series enables to print high quality images. The SMART Series will be a perfect choice for ID, membership, access control, government ID, healthcare and banking cards.

IDP Corporation has begun a new era in ID card printers. Come and experience the flexibility and quality of the SMART Series.

Technology

- Clear Printing by FINE™ Imaging Technology.
- Instant Direct Heating Mechanism for Lamination (SMART-50L).
- On-Site (Field) Upgradable Options for Dual Side Printing and Laminating.
- Automatic and Manual Card Feeding.
- On-Site (Field) Installable Encoders for Magnetic Strip, Contact and Contactless.
- 64MB High Memory.
- Automatic Ribbon Search and No Need for Sensor Calibration.
- Environmentally Friendly Rewritable Printing (SMART-30R).

Design

- Compact Optimized Design for Desktop Environment.
- 2 Line LCD with 2 LED Buttons for Front Operation. (SMART-50 Series)
- Front Input and Output Hoppers.
- Easy TPH Replacement.
- Drop-In Ribbon Cartridge.

Software

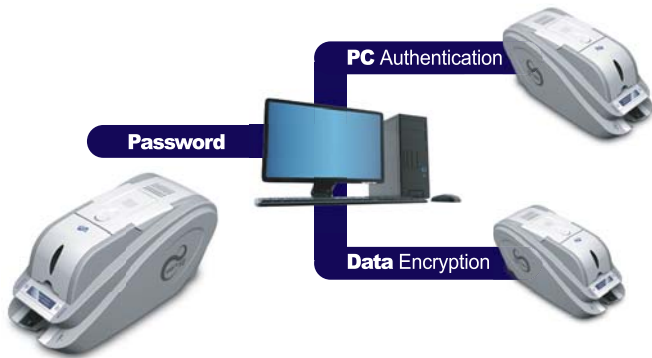
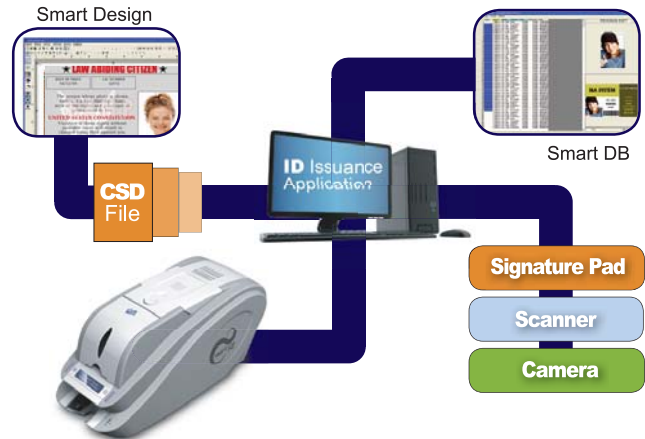
- Smart SDK, to develop Customized Printing Applications.
- Smart Utilities, to Check Working States and Adjust Configurations.
- On-Line Technical Support.



▶ Issuance

Smart Applications ensures your card issuance and data management through SMART series at no extra cost.

- Smart Design is a card design tool that includes magnetic stripe encoding functionality.
- Smart DB enables you to manage issuing data conveniently and supports ODBC (Open Database Connectivity).
- Customer's data such as facial images, signatures and scanned data can be imported to Smart DB and printed on a card at any time.



▶ Data Security

SMART Series provides effective security features for authentication and data encryption.

- Smart Series has a password verification function to provide root 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.

▶ Networking

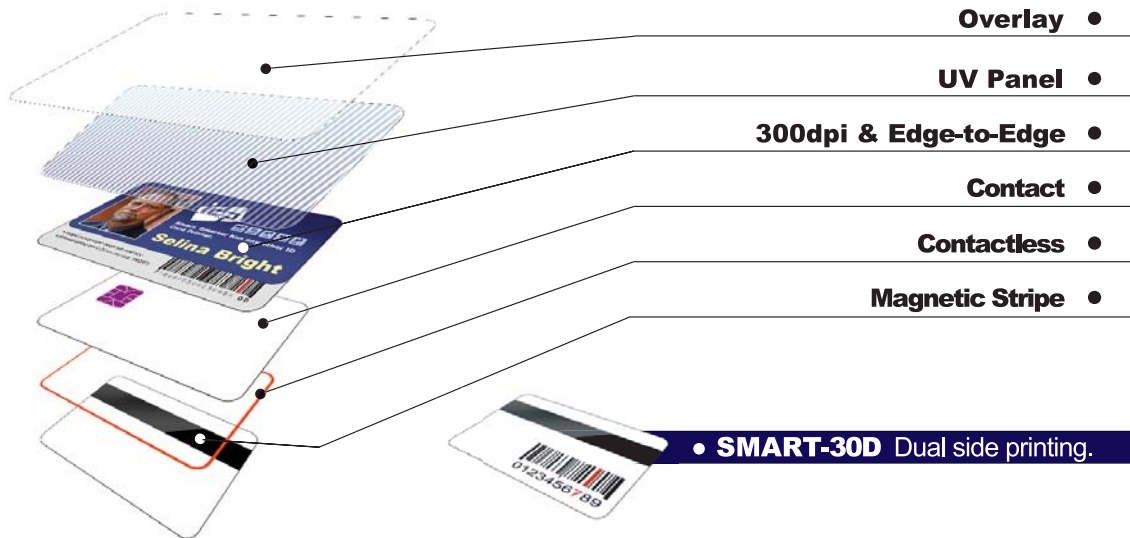
SMART Series can utilize the network printer server for encoding and printing cards.

- Smart Network Module can not only print cards but also encode magnetic stripe, contact and contactless through the network.
- Smart Network Module has OCP (Open Card Print) Protocol which can encode and print cards using commands on multiple platforms without installing the printer driver.



Value class

SMART-30 Series is Value for Everyone!



Single sided ID CARD PRINTER

SMART - 30S



| Features

- Color & Mono Printing
- Transparent Card Printing with Magnetic Stripe
- Full Encoding Support (Magnetic, Contact, Contactless)
- Removable Stacker
- Compact Size

| Applications

- ID / Membership
- Access control / Security
- Healthcare
- Government
- Banking Card
- Transportation
- Retail
- Gift / Promotion / Loyalty



Dual sided ID CARD PRINTER

SMART - 30D



- Single or Dual-sided Printing.
- Print Speed : 33 sec. / card (YMCKOK).
- 300dpi with Edge-to-Edge Printing.
- Field Upgradable by Installation of Flipper on SMART-30S.
- LED Button for Front Operation.
- Low Cost Security with UV Printing.
- Installable Encoders : Magnetic Stripe, Contact and Contactless.



Rewritable ID CARD PRINTER

SMART - 30R



- Direct Thermal Rewritable Method.
- LED Button for Front Operation.
- Rewrite Speed : 20 sec. / card.
- Installable Encoders : Magnetic Stripe, Contact and Contactless.
- Upgradable Modules : Network.

Experience SMART Rewritable Technology provides a cost effective solution!



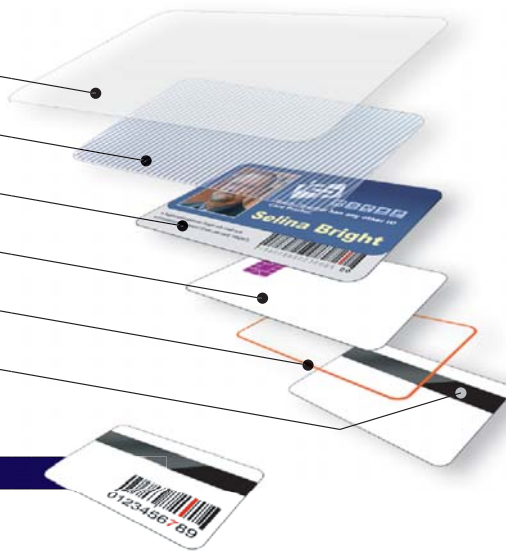
Standard class

Feel the precise card printer solution from the **SMART - 50 Series**

Experience SMART ID Card Printing Technology

- **Overlay**
- **UV Panel**
- **300dpi & Edge-to-Edge**
- **Contact**
- **Contactless**
- **Magnetic Stripe**

• **SMART-50D** Dual side printing



Single sided ID CARD PRINTER

SMART - 50S



- Compact Optimized Design.
- Print Speed : 22 sec. / card (YMCKO).
- 300dpi with Edge-to-Edge Printing.
- 2 Line LCD with 2 LED Buttons for Front Operation.
- Advanced Cleaning Roller.
- Low Cost Security with UV Printing.
- Installable Encoders : Magnetic Stripe, Contact and Contactless, SIM.
- Upgradable Modules : Flipper, Laminator and Network.



Dual sided ID CARD PRINTER

SMART - 50D



- Single or Dual-sided Printing.
- Print Speed : 27 sec. / card (YMCKOK).
- 300dpi with Edge-to-Edge Printing.
- 50S Field Upgradable to 50D.
- 2 line LCD with 2 LED Buttons for Front Operation.
- Low Cost Security with UV Printing.
- Installable Encoders : Magnetic Stripe, Contact and Contactless, SIM.
- Upgradable Modules : Laminator and Network



Laminating ID CARD PRINTER

SMART - 50L

- Single or Dual sided Printing and Laminating.
- Instant Direct Heating Lamination.
- Printing and Laminating Speed : 23 sec. / card (YMCK and Single Lamination).
- 50S and 50D Field Upgradable to 50L.
- Holographic Lamination for Visual Security and Card Durability.
- Installable Encoders : Magnetic Stripe, Contact and Contactless, SIM.
- 2 line LCD with 2 LED Buttons for Front Operation.
- Upgradable Modules : Network.



- **Lamination**
- **UV Panel**
- **300dpi & Edge-to-Edge**
- **Contact**
- **Contactless**
- **Magnetic Stripe**



Wise Choice for the Highest Quality **WISE - CXD80 Series**

WISE - CXD80



Features

- Detachable and anytime-refillable hopper
- Intuitive, and flexible function LCD panel
- Removable and water-washable cleaning roller
- Security locks on hopper & front door
- Kensington lock
- Inline encoding and lamination (with optional unit).
- Environmentally friendly compact design.

Applications

- ID / Membership
- Access control / Security
- Healthcare
- Banking Card
- Transportation
- Retail
- Gift / Promotion / Loyalty



Print with Security



UV Printing



Media Cassettes



Security Erase

Reverse-transfer printing process



Consumables



Ink Ribbon & Retransfer Film

Laminating ID CARD PRINTER

WISE - CL600



The superior quality of lamination printing for high security



Specifications

		WISE-CXD80S (Single sided)	WISE-CXD80D (Dual sided)
Printing	Print Type	<ul style="list-style-type: none"> • Dye Sublimation/Resin Thermal Retransfer 	
	Print Area	<ul style="list-style-type: none"> • Full Bleed (Real edge-to-edge) 	
	Resolution	<ul style="list-style-type: none"> • 300 dpi 	
Card	Card Feeding	<ul style="list-style-type: none"> • Automatic 	
	Card Size	<ul style="list-style-type: none"> • ISO CR80 (54mm x 86mm/2.12"x3.38") 	
	Card Thickness	<ul style="list-style-type: none"> • 0.25mm(10mil)~1.0mm(40mil) 	
	Card Type	<ul style="list-style-type: none"> • PVC, Composite PVC, PET 	
Print Speed	YMCK	<ul style="list-style-type: none"> • 40 sec. / card(90 cards/hour) 	<ul style="list-style-type: none"> • 40 sec. / card(90 cards/hour)
	YMCKK	-	<ul style="list-style-type: none"> • 55 sec. / card(65 cards/hour)
Capacity	Input & Output	<ul style="list-style-type: none"> • 100 cards each (0.76mm) 	
System	Supported Platforms	<ul style="list-style-type: none"> • Microsoft Windows 2000 Professional, XP, Vista, Windows Server 2003 R2 SP2, Server 2008 	
	Communication	<ul style="list-style-type: none"> • USB 2.0, Ethernet fitted as standard 	
	Power Supply	<ul style="list-style-type: none"> • Max. 3A (100 to 120V), Max. 1.5A (220 to 240V) 	
	Temperature Humidity	<ul style="list-style-type: none"> • 15~35° C / 35~70% 	
Dimensions	Dimensions (WxLxH)	<ul style="list-style-type: none"> • 343mm x 322mm x 335mm 	
	Dimensions (WxLxH)	<ul style="list-style-type: none"> • 13.5" x 12.7" x 13.2" 	
	Weight (kg/lbs)	<ul style="list-style-type: none"> • 13.0 / 28.7 (without optional unit) 	<ul style="list-style-type: none"> • 15.5 / 34.2 (with all Optional Units installed)
Ribbon		<ul style="list-style-type: none"> • YMCK(1,000 prints), YMCKK(750 prints), • YMCKUV(750 prints), YMCKPO(750 prints) • Retransfer Film(1,000 prints) 	
Options		<ul style="list-style-type: none"> • Magnetic stripe Encoding (HiCo/LoCo) • Contact chip Encoding (Case & Reader/Write) • Contactless Encoding • Bend Remedy Unit • Lamination unit (WISE-CL600) 	
Certifications		<ul style="list-style-type: none"> • CE, FCC, KC 	

Printer Specifications


SMART Series	Value class			Standard class		
	SMART-30S	SMART-30D	SMART-30R	SMART-50S	SMART-50D	SMART-50L
	Single Side Card Printer	Dual Side Card Printer	Rewritable Card Printer	Single Side Card Printer	Dual Side Card Printer	Card Printer and Laminator
Printing						
Print Type	Dye-Sublimation	Dye-Sublimation	Direct Thermal	Dye-Sublimation	Dye-Sublimation	Dye-Sublimation
Print Area	Edge to Edge					
Resolution	300dpi					
Dual Side Printing	Option(with Flipper)	Yes	No	Option(with Flipper)	Yes	Yes(Flipper Installed)
Card						
Card Feeding	Automatic					
Card Size	ISO CR80(54mm x 86mm / 2.12" x 3.38")					
Card Thickness	0.38mm(15mil), 0.76mm(30mil)			0.38mm(15mil) ~ 1.0mm(40mil)		
Card Type	PVC, PET, Composite PVC	PVC, PET, Composite PVC	Rewritable Thermochromic Material	PVC, PET, Composite PVC	PVC, PET, Composite PVC	PVC, PET, Composite PVC
Print Speed						
Monochrome	5 sec./card (720 cards/hour)	5 sec./card (720 cards/hour)	20 sec./card (180 cards/hour) Max. 12 sec./card (300 cards/hour)	5 sec./card (720 cards/hour)	5 sec./card (720 cards/hour)	5 sec./card (720 cards/hour)
YMCKO	28 sec./card (128 cards/hour)	28 sec./card (128 cards/hour)	-	22 sec./card (164 cards/hour) Max. 18 sec./card (200 cards/hour)	22 sec./card (164 cards/hour) Max. 18 sec./card (200 cards/hour)	22 sec./card (164 cards/hour) Max. 18 sec./card (200 cards/hour)
YMCKOK	-	33 sec./card (109 cards/hour)	-	-	27 sec./card (130 cards/hour) Max. 23 sec./card (155 cards/hour)	27 sec./card (130 cards/hour) Max. 23 sec./card (155 cards/hour)
Laminating						
Mode	-	-	-	-	-	Single & Dual
Film (Clear&Holographic)	-	-	-	-	-	0.6mil, 1.0mil
Speed	Simultaneous (Single Lamination)	-	-	-	-	23 sec./card (YMCK)
	-	-	-	-	-	33 sec./card (YMCKK)
	One by One (Single Lamination)	-	-	-	-	44 sec./card (YMCK)
-	-	-	-	-	54 sec./card (YMCKK)	
Capacity						
Input Hopper : cards	80	80	80	100	100	100
Output Hopper : cards	25	25	25	40	40	40
System						
Memory	64MB RAM					
Display	-	-	-	2 Line LCD	2 Line LCD	2 Line LCD
Control Panel	1 LED Button	1 LED Button	1 LED Button	2 LED Buttons	2 LED Buttons	2 LED Buttons
Supported Platforms	Microsoft Windows 2000/2003/XP/Vista/7/8, Mac OS, Linux					
Communication	USB, Ethernet (Option)					
Power Supply	Free Voltage (AC110 / 220V, 50~60Hz)					
Power Consumption (Max.) : W	48	48	48	48	48	96
Temperature/Humidity	15~35°C / 20~80%					
Dimensions						
Dimensions (W x L x H) : mm	172 x 377 x 190	172 x 472 x 190	172 x 377 x 190	170 x 420 x 195	170 x 510 x 195	170 x 700 x 195
Dimensions (W x L x H) : inch	6.8 x 14.8 x 7.5	6.8 x 18.6 x 7.5	6.8 x 14.8 x 7.5	6.7 x 16.5 x 7.7	6.7 x 20.0 x 7.7	6.7 x 27.6 x 7.7
Weight : kg / lbs	3.4 / 7.5	4.2 / 9.2	3.2 / 7	4.5 / 10	5.5 / 12	9.2 / 20
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, FCC, KC, C-tick			CB, CE, FCC, KC, C-tick, UL		

Consumables

► Color Ribbons

Ribbons Type				
	YMCKO	YMCKOK	YMCFKO	HYMCKO
Cards / Ribbon	250	200	200	350
Description	Full Color Ribbon with Resin Black and Overlay	Full Color Ribbon with Resin Black, Overlay and Resin Black for Back Side	Full Color Ribbon with UV Panel, Resin Black and Overlay	Half Panel Size Color Ribbon with Resin Black and Overlay
SMART-30S / 50S	○	—	○	○
SMART-30D / 50D	○	○	○	○
SMART-50L	○	○	○	○

► Security Films

Films Type		
	CPF	HPF
Cards / Film	250	250
Description	Clear Patch Film	Hologram Patch Film
SMART-30S / 50S	—	—
SMART-30D / 50D	—	—
SMART-50L	○	○


► Mono Ribbons

Ribbons Type								
	KO	K	W	B	R	MG	MS	SO
Cards / Ribbon	600	1200	1200	1200	1200	1200	1200	1200
Description	Black with Overlay	Black	White	Blue	Red	Metallic Gold	Metallic Silver	Scratch-Off
SMART-30 Series	○	○	○	○	○	○	○	○
SMART-50 Series	○	○	○	○	○	○	○	○

► Cleaning Kits

			
Long Cleaning Card	Short Cleaning Card	Cleaning Swab	Cleaning Pen
Automatic Cleaning	Manual Cleaning	Print Head and Rollers Cleaning	Print Head Cleaning

► Card


Primuss Card
PVC, CR80

www.idp-corp.com

SMART Series, manufactured by IDP Corporation, is a highly engineered dye-sublimation ID card printer which provides you with maximum efficiency for production of plastic cards in commercial and government applications.

SMART Series is designed to support a flexible user environment, which makes it easy to choose the correct printer and save money. You can easily add flipper or laminator, for dual side printing or laminating, and various encoders such as magnetic stripe, contact and contactless. The enhanced FINE™ Imaging Technology of the SMART Series enables to print high quality images. The SMART Series will be a perfect choice for ID, membership, access control, government ID, healthcare and banking cards.

IDP Corporation has begun a new era in ID card printers. Come and experience the flexibility and quality of the SMART Series.



IDWholesaler
We know ID. *It's what we do.*
www.IDWholesaler.com
(800) 321-4405 x2
Shop Now ▶

Internet
retailer
**TOP
500**
e-Retailer



Head Office

- OFFICE : Room 601, 7th Byuck-San Digital Valley, 170-13 Guro-Dong, Guro-Gu, Seoul 152-742, Korea
- TEL : +82-2-6099-3700 ● FAX : +82-2-6099-3717
- E-mail : sales@idp-corp.com

IDP Americas, Inc. (UNITED STATES & CANADA)

- OFFICE : 200 Circuit Drive, North Kingstown, RI 02852
- TEL : +1-401-400-7111 ● FAX : +1-401-667-7445
- E-mail : sales_na@idp-corp.com