



Input Hopper



Printer



Hybrid Flipper



Laminator



Output Hopper



Full Modular



## Large Capacity, High speed Printing, Flexibility, High Durability, Scratch Free, Ideal for KIOSK



Large Capacity



Flexibility



High Durability



High Speed Printing

**SMART-70 Series** the large capacity card printer from IDP is ideally suited to users who have large capacity needs, or for end-users who would like to secure their credential media in the securely locked printer. The SMART-70 Series offers a unique modular design that is easily upgraded by the end-user.

Configurations vary from single sided only printing to a fully configured system with dual sided printing, lamination and 500 cards output hopper.

The easily upgradeable: the printer offers a simple no-tool upgrade strategy that any dealer or IT technician would be able to manage in minutes. Saving maintenance time for replacing ribbon and laminating patch : 500 card ribbon and laminating patch are provided to match the capacity of the input hopper.

Each station (printer, hybrid flipper, laminator, in & out hoppers) connects with an alignment plate. Each station has its own power supply and communication cables are provided to connect each station and synchronize their operation.



ISSUANCE

Smart ID ensures appropriate card issuance and data management with SMART series printers at no extra cost.

- Design and print (Image, Photo and Text)
- 1D & 2D Barcode printing
- Auto portrait (Auto face detection, adjustment of size & position)
- Printing of sequential numbers
- Card design templates
- Plug-in for supporting external devices (Sign pad, Camera, Scanner)
- Convenient card issuance and data management
- Magnetic stripe (MS), contact & contactless smart card encoding by using plug-in program

Smart ID is a software which is provided with Smart ID Card Printer.



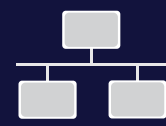
SECURITY

SMART series provides effective security features for access control and data encryption.

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.



NETWORKING

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

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.


Available encoding the contact & contactless smart card by Ethernet.

## FEATURES

<ul style="list-style-type: none"> <li>• <b>Input Hopper</b></li> <li>Large Capacity Max. 500 cards</li> <li>Scratch Free</li> <li>Hook for Card-In</li> <li>Residual Q'ty Sensor</li> <li>Near empty &amp; empty alert notifications</li> <li>High Durability / Indicator LED</li> <li>Physical Lock &amp; Kensington Lock</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Printer</b></li> <li>High Speed Printing Max. 1,000 cards/h (Mono), Max. 225 cards/h (YMCKO)</li> <li>Enhanced FINE™ Imaging Technology</li> <li>Drawer type film cartridge</li> <li>Installable MS &amp; Contactless Encoder</li> <li>LCD &amp; Button / Indicator LED</li> <li>High Durability</li> <li>Physical Lock &amp; Kensington Lock</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Hybrid Flipper</b></li> <li>Installable Encoding modules Contact &amp; Contactless Smartcard Encoder</li> <li>Image Scanning &amp; Barcode Recognition Dual Sided Image Scanning (600 / 300 dpi), 1D &amp; 2D Barcode Recognition (Front / Back)</li> <li>Card Flipper</li> <li>High Durability, Indicator LED</li> <li>Error Card Bin* (Max. 30 cards)</li> <li>Physical Lock &amp; Kensington Lock</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Laminator</b></li> <li>No warming-up time</li> <li>Instant direct heating mechanism</li> <li>Scratch Free</li> <li>Drawer type film cartridge</li> <li>LCD &amp; Button / Indicator LED</li> <li>High Durability</li> <li>Physical Lock &amp; Kensington Lock</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Output Hopper</b></li> <li>Large Capacity Max. 500 cards</li> <li>Scratch Free</li> <li>Residual Q'ty Sensor</li> <li>Full Space alert notifications</li> <li>High Durability</li> <li>Indicator LED</li> <li>Physical Lock &amp; Kensington Lock</li> </ul>
				<ul style="list-style-type: none"> <li>• <b>Stacker</b></li> <li>Max. 100 cards</li> </ul>


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

## Multi-Printer Combination



**9.9**  
SEC

**364 cards/hour**  
Partial Area Printing (YMCKO)



**12.5**  
SEC

**288 cards/hour**  
Full Area Printing (YMCKO)

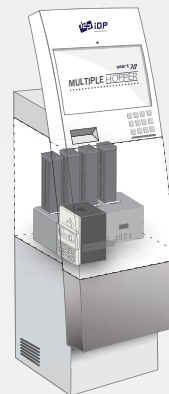
Input Hopper +  
PRINTER (YMC) + PRINTER (KO)



\* For Single sided Partial area or Full area Color Printing

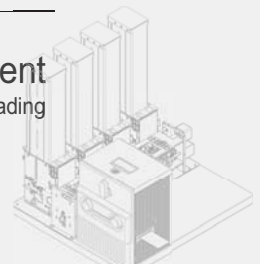
**Extremely High Speed Printing**

## Multiple Hopper Ideal for KIOSK



max. **"3,000"**  
cards loading

up to **"6"** different  
type cards loading



## Stand-alone Laminator



No Need Device Driver or PC

## Scratch Free

### - 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 cards' surface.

Weight dispersion point



### - 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



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
	Print Speed	Monochrome	3.6 sec./card (1,000 cards/hour)	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	Microsoft Windows 2000/ 2003/ XP/ Vista/ 7/ 8/ 10, 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%
	Encoding Options	Magnetic	ISO 7811 (Track I, II, III Read/ Write, HiCo/ LoCo), JIS II	Contactless	MIFARE, ISO 14443 (Type A/ B), ISO 15693, DESFIRE, iCLASS
	Security	Physical Lock	Ribbon	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 (H)	
Weight	kg/lbs	Approx. 6.3 kg/13.9 lbs			

SMART-70 Hybrid Flipper	Encoding & Scanner (Option)	Contact	ISO 7816 A/B/C Cards, ISO 7816 1/2/3/4 Microprocessor Cards	Contactless	ISO 14443 (Type A/B), MIFARE, DEFIRE, iCLASS, ISO 18092(NFC), Felica
		Image Scanner	Selectable 300 & 600 dpi Dual-sided image scanning	Scanning Speed	4.5 sec./card (300 dpi), 6 sec./card (600 dpi)
		Barcode Recognition	1D & 2D Barcode Recognition (Front/Back)		
	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	Station Itself	Kensington Lock
	Dimensions	Millimeter	110 (W) x 204 (L) x 305 (H)	Inch	4.3 (W) x 8.0 (L) x 12 (H)
	Weight	kg/lbs	Approx. 2.8 kg/6.2 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
	System	Interface	2 Line LCD / 4 Buttons / 1 LED Indicator	Communication	USB, RS-232C
		Power Supply	Free Voltage (AC 100/ 220V, 50~60Hz) / 24V, 2.3A	Temperature/Humidity	15~35 °C / 35~70%
	Security	Physical Lock	Laminating Film	Station Itself	Kensington Lock
	Dimensions	Millimeter	240 (W) x 214 (L) x 305 (H)	Inch	9.5 (W) x 8.4 (L) x 12 (H)
Weight	kg/lbs	Approx. 6.1 kg/13.4 lbs			

SMART-70 Input / Output Hopper	Capacity	Input / Output	Max. 500 cards	Feeding	Automatic	
	Card	Size	ISO CR80 (54mm x 86mm / 2.12" x 3.38")			
	Sensor	Thickness	0.38mm (15mil), 1.2mm (47mil)	Type	PVC, Composite PVC, PET	
		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		

\*Print Speed : May change under specific condition.

• Single sided Printing



• Single sided Printing & Laminating



• Dual sided Printing, Encoding



• Dual sided Printing, Encoding & Laminating



• Single sided Multi-Printing /  
• Dual sided Multi-Printing, Laminating & Encoding

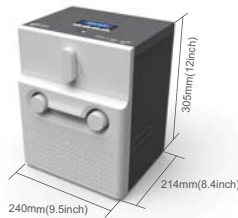


• Stand-alone Laminating

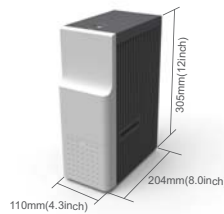


**Dimensions**

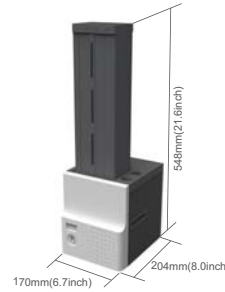
Printer & Laminator



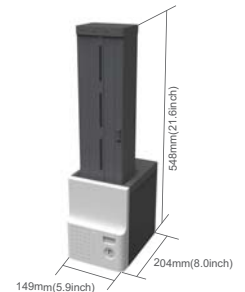
Hybrid Flipper



Input Hopper



Output Hopper



**Consumables**

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

	CPF	HPF
	Clear Patch Film	Hologram Patch Film
SECURITY FILMS		
	500 Cards/Roll	500 Cards/Roll

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

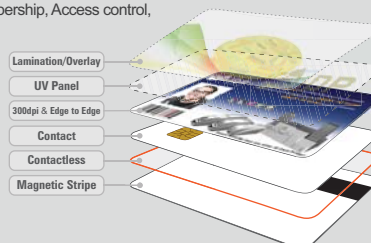
Specifications and availability may change without notice.

**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 a flipper or laminator, for dual sided printing or laminating, and 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 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. Please come and experience the flexibility and quality of the SMART series.



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