smart 70

Whatever you want or need!

Input Hopper | Printer | Hybrid Flipper | Laminator | Output Hopper | Full Modular



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

Max. 500 cards
Large Capacity

Flexibilty

High Durablilty

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 securetheir 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 technican 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.

Beyond Expandability,

Ultimate ID Card Printer Solution

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FEATURES



• Input Hopper

- Large Capacity
  Max. 500 cards
- Scratch Free
- Hook for Card-In
- Residual Q'ty Sensor
  Near empty & empty alert notifications
- High Durability / Indicator LED
- Physical Lock & Kensington Lock

• Printer

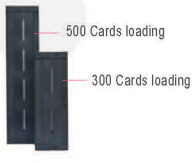
- High Speed Printing
  Max. 1,000 cards/h (Mono), Max. 225 cards/h (YMCKO)
- Enhanced FINE™ Imaging Technology
- Drawer type film cartridge
- Installable MS & Contactless Encoder
- LCD & Button / Indicator LED
- High Durability
- Physical Lock & Kensington Lock

• Laminator

- No warming-up time
  Instant direct heating mechanism
- Scratch Free
- Drawer type film cartridge
- LCD & Button / Indicator LED
- High Durability
- Physical Lock & Kensington Lock

• Stacker

Max. 100 cards



• Hybrid Flipper

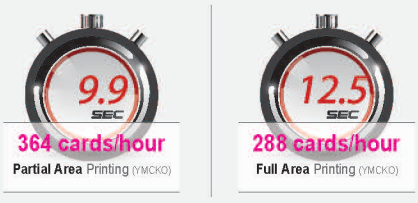
- Installable Encoding modules
  Contact & Contactless Smartcard Encoder
- Image Scanning & Barcode Recognition
  Dual Sided Image Scanning (600 / 300 dpi),
  1D & 2D Barcode Recognition (Front / Back)
- Card Flipper
- High Durability, Indicator LED
- Error Card Bin* (Max. 30 cards)
- Physical Lock & Kensington Lock

• Output Hopper

- Large Capacity
  Max. 500 cards
- Scratch Free
- Residual Q'ty Sensor
  Full Space alert notifications
- High Durability
- Indicator LED
- Physical Lock & Kensington Lock

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

Multi - Printer Combination



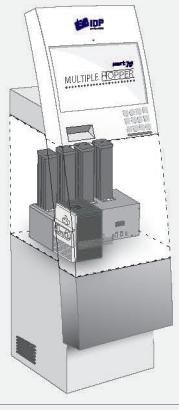
Extremely High Speed Printing

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



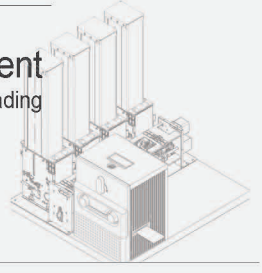
* For Single sided Partial area or Full area Color Printing

Multiple Hopper Ideal for KIOSK



max. "3,000" cards loading

up to "6" different type cards loading



Stand-alone Laminator

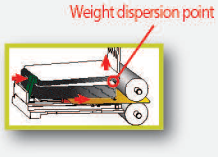


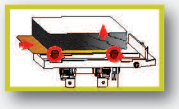
No Need Device Driver or PC

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.

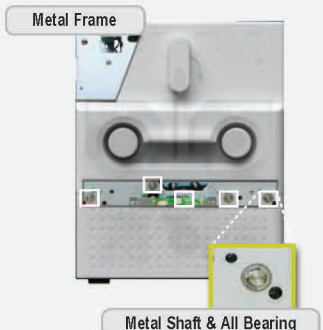




- Output Hopper

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



Specifications

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℃ / 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℃ / 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 (AC100/ 220V, 50~60Hz) / 24V, 2.3A	Temperature/Humidity	15~35℃ / 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 (AC100/ 220V, 50~60Hz) / 24V, 2A
	Temperature/Humidity	15~35℃ / 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.

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Flexibilty

- **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**

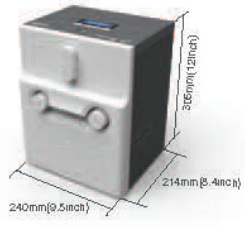


- **Stand-alone Laminating**

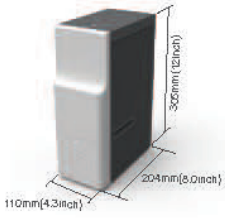


Dimensions

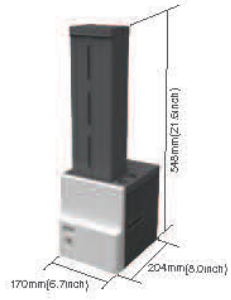
Printer & Laminator



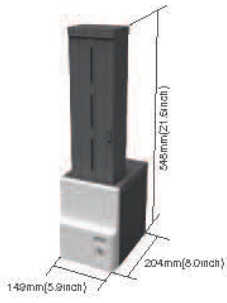
Hybrid Flipper



Input Hopper



Output Hopper



Consumables

COLOR RIBBONS

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
				
500 Cards/Roll	500 Cards/Roll	500 Cards/Roll	1000 Cards/Roll	1000 Cards/Roll

SECURITY FILMS

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

MONO RIBBONS

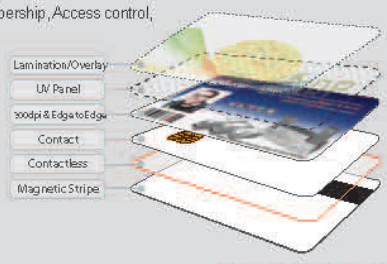
KO	K	W	B	R	MG	MS	SO
Black with Overlay	Black	White	Blue	Red	Metallic Gold	Metallic Sliver	Scratch-Off
							
1500 Cards/Roll	3000 Cards/Roll	3000 Cards/Roll	3000 Cards/Roll	3000 Cards/Roll	3000 Cards/Roll	3000 Cards/Roll	3000 Cards/Roll

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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