ID Card Printing Solutions

IDP

smart SMART, Smarter than any other ID Card Printer!

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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 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. encoding station, laminator, flipper, hopper) 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.

FEATURES

- **Input Hopper**
  - Large Capacity
    Max. 500 cards
  - Scratch Free
    Preventing damage on the surface of cards by pushing cards to the weight dispersion point to disperse the weight of stacked cards.
  - Hook for Card-In
   Hook is applied to the input hopper for assuring the correct card feeding
  - Physical Lock & Kensington Lock

- **Printer**
  - High-Durability
    Metal Frame & Shaft, All bearing
  - The enhanced FINE™ Imaging Technology
  - Automatic load balancing of Ribbon Core
    Improved print quality with automatic load balancing of the ribbon core depending on remaining ribbons
  - Drawer type Ribbon Cartridge
  - Installable Encoder (MS & Contactless)
  - Physical Lock & Kensington Lock

- **Output Hopper**
  - Large Capacity
    Max. 500 cards
  - Scratch Free
    Preventing damage on the surface of cards by raising the stacked cards
  - Physical Lock & Kensington Lock

- **Stacker**
  (Max. 100 cards)
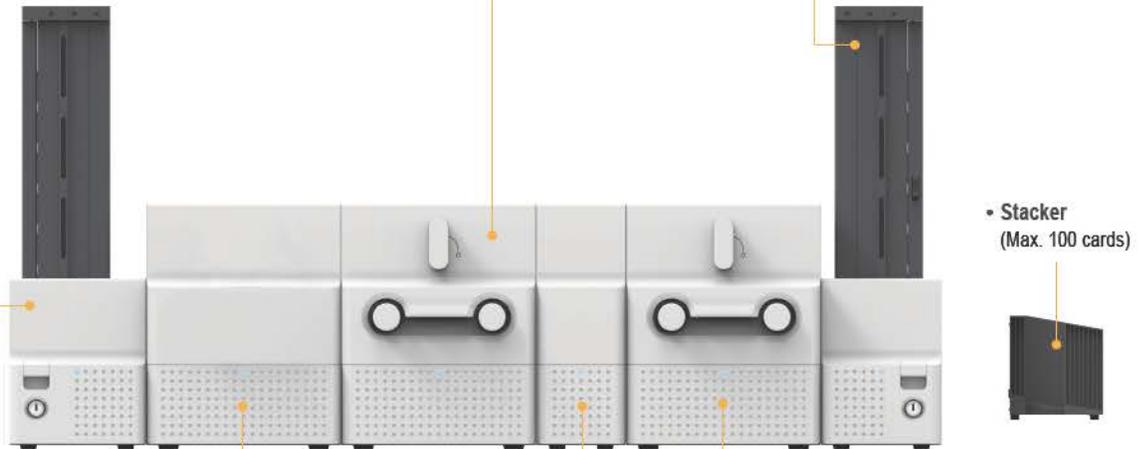
- **Encoding Station**
  - Encoders & Reader
    MS, Contact & Contactless smart card encoder, 1D & 2D-Barcode reader
  - Reversible Magnetic Stripe Encoder
  - Scratch Free
    The MS encoding head is put down only when the card is being encoded
  - Kensington Lock

- **Flipper**
  - Error Card Bin
  - Physical Lock & Kensington Lock

- **Laminator**
  - Instant Direct Heating Laminator
    No warming-up time, Low power consumption
  - Laminating patch Position Adjustment
    Vertical & horizontal position can be adjusted
  - 95% Laminating patch Coverage
  - Drawer type Laminate patch Cartridge
  - Physical Lock & Kensington Lock

SMART-70 Series *whatever you want or need!*

Performance class

FLEXIBILITY

- Single Sided Printing
Printer, Input Hopper, Stacker

- Single Sided Printing
Printer, Input/Output Hoppers

- Dual Sided Printing
Printer, Input Hopper, Flipper, Stacker
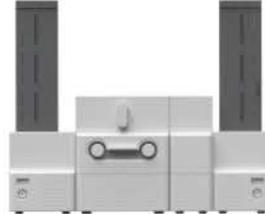
- Dual Sided Printing
Printer, Input/Output Hoppers, Flipper

- Stand-alone Laminating
Laminator, Input/Output Hoppers

- Single Sided Printing & Laminating
Printer, Input Hopper, Laminator, Stacker

- Single Sided Printing & Laminating
Printer, Input/Output Hoppers, Laminator

- Dual Sided Printing & Laminating
Printer, Input Hopper, Flipper, Laminator, Stacker

- Dual Sided Printing & Laminating
Printer, Input/Output Hoppers, Flipper, Laminator

- Dual Sided Printing, Laminating & Encoding
Printer, Encoders, Input/Output Hoppers, Flipper, Laminator

Versatile Hopper

- **High Volume Input/Output Hoppers**
(Max. 500 cards ea.)

- **Multi-Hopper**

• 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.
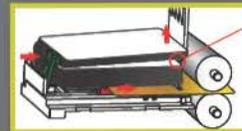
Weight dispersion point

* Input Hopper

* Output Hopper

- 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.

registered patent

High Durability

Metal Frame

Metal Shaft & All Bearing

Ideal for KIOSK

High Capacity

Multi Hopper

Scratch Free

High Durability

High Speed Printing

Modular Design

COLOR RIBBONS

Ribbon Type	YMCKO	YMCKOK	YMCFKO	HYMCKO
Ribbons for SMART-70 Series	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
Capacity	500 Cards/Roll	500 Cards/Roll	500 Cards/Roll	1000 Cards/Roll
SMART-70	O	-	O	O
SMART-70 with Flipper	O	O	O	O
SMART-70 with Laminator	O	-	O	O
SMART-70 with Flipper & Laminator	O	O	O	O
Ribbons for SMART-30/50 Series	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
Capacity	250 Cards/Roll	200 Cards/Roll	200 Cards/Roll	350 Cards/Roll
SMART-30S/50S	O	-	O	O
SMART-30D/50D	O	O	O	O
SMART-50L	O	O	O	O

SECURITY FILMS

Ribbon Type	CPF	HPF
Ribbons for SMART-70 Series	Clear Patch Film	Hologram Patch Film
Capacity	500 Cards/Roll	500 Cards/Roll
SMART-70	-	-
SMART-70 with Flipper	-	-
SMART-70 with Laminator	O	O
SMART-70 with Flipper & Laminator	O	O
Ribbons for SMART-30/50 Series	Clear Patch Film	Hologram Patch Film
Capacity	250 Cards/Roll	250 Cards/Roll
SMART-30S/50S	-	-
SMART-30D/50D	-	-
SMART-50L	O	O

MONO RIBBONS

Ribbon Type	KO	K	W	B	R	MG	MS	SO
Description	Black with Overlay	Black	White	Blue	Red	Metallic Gold	Metallic Sliver	Scratch-Off
Ribbons for SMART-70 Series								
Capacity	1500 Cards/Roll	3000 Cards/Roll	3000 Cards/Roll	3000 Cards/Roll	3000 Cards/Roll	3000 Cards/Roll	3000 Cards/Roll	3000 Cards/Roll
SMART-70 Series	O	O	O	O	O	O	O	O
Ribbons for SMART-30/50 Series								
Capacity	600 Cards/Roll	1200 Cards/Roll	1200 Cards/Roll	1200 Cards/Roll	1200 Cards/Roll	1200 Cards/Roll	1200 Cards/Roll	1200 Cards/Roll
SMART-30 Series	O	O	O	O	O	O	O	O
SMART-50 Series	O	O	O	O	O	O	O	O

CLEANING KITS

Long Cleaning Card	Short Cleaning Card	Cleaning Swab	Cleaning Pen
Automatic Cleaning	Manual Cleaning	Print Head & Roller Cleaning	Print Head Cleaning

CARD

Primuss Card
PVC, CR80

SMART Series 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	18 sec./card (200 cards/hour), Max. 16 sec./card (225 cards/hour)
	YMCKOK	24 sec./card (150 cards/hour), 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, Mac OS, Linux
	Communication	USB, Ethernet
	Power Supply	Free voltage (AC 100/ 220V, 50~60Hz)
	Power Consumption	24V, 2A
	Temperature/Humidity	15~35℃ / 35~70%
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 Laminator

Laminating	Type	Direct Heating Lamination
	Speed	14 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, 2A
	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 Flipper

System	Communication	USB, RS-232C
	Power	Free Voltage (AC 100/ 220V, 50~60Hz) / 24V, 2A
	Temperature/Humidity	15~35℃ / 35~70%
Security	Physical Lock	Cards
	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
Error Card Bin		Ejection device for faulty card is equipped inside Flipper (Max. 30 cards)

SMART-70 Encoding Station

Encoding Sensor	Magnetic	ISO 7811 (Track I, II, III Read/Write, HiCO / LoCo), JIS II
	Contact	ISO 7816 (ID-1)
	Contactless	MIFARE, ISO 1443 (Type A/B), ISO 15693, DEFIRE, iCLASS
	Barcord Reader	1D & 2D Barcode Reader (Front/Back)
System	Communication	USB, RS-232C
	Power Supply	Free Voltage (AC 100/ 220V, 50~60Hz)
	Power Consumption	24V, 2A
	Temperature/Humidity	15~35℃ / 35~70%
Security	Physical Lock	Encoding Station
	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	TBD

SMART-70 Input / Output Hoppers

Capacity	Input / Output	Max. 500 cards
	Feeding	Automatic
Card	Size	ISO CR80 (54mm x 86mm / 2.12" x 3.38")
	Thickness	0.38mm (15mil), 1.2mm (47mil)
	Type	PVC, Composite PVC, PET
Sensor	Residual Q'ty Sensor	Input: Near Empty & Empty / Output: Full Space
	Detection Sensor	Cartridge Mount Status Detectable
System	Communication	USB, RS-232C
	Power	Free Voltage (AC 100/ 220V, 50~60Hz) / 24V, 2A
	Temperature/Humidity	15~35℃ / 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

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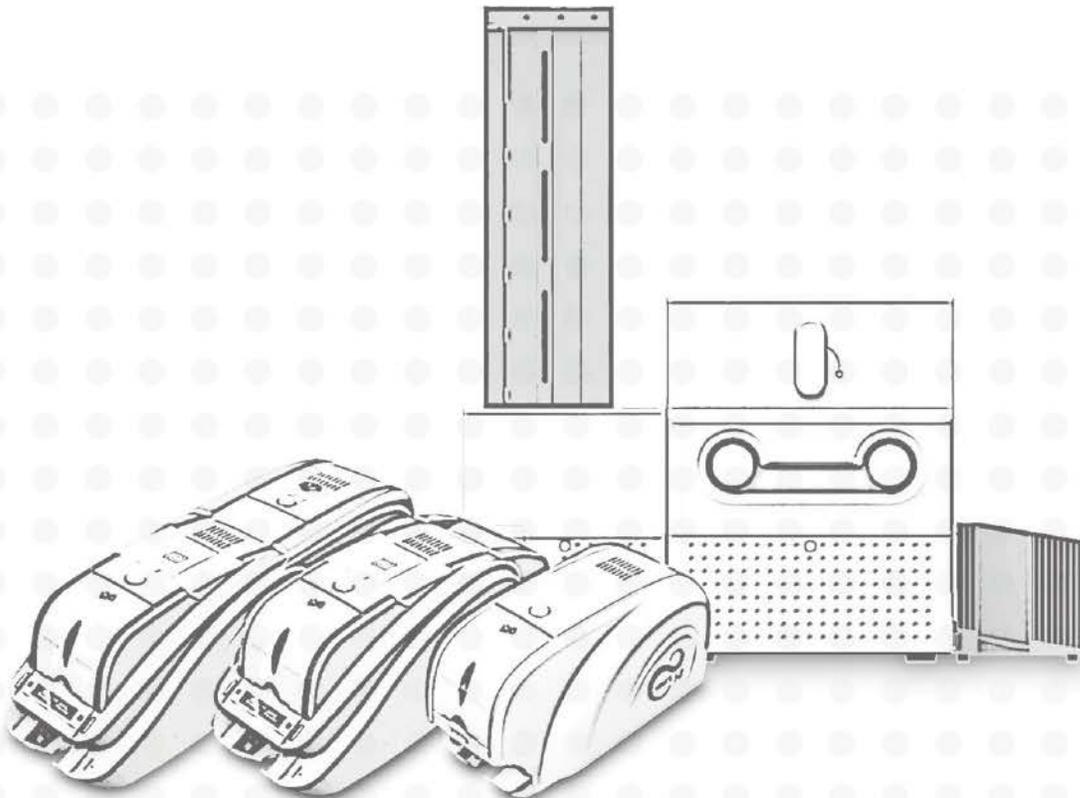
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