



Simple and Easy **for everyone to use**



- 300, 600 & 1200dpi Edge-to-Edge Printing
- Easy Card Issuing
- Excellent Convenience
- FINE™ Imaging Technology
- Low Cost Security with UV Printing
- High Durability



Single sided ID CARD PRINTER
smart-31S

- Color & Mono Single Sided Printing
- Print Speed: Max. 23 sec./card (YMCKO)
- 300, 600 & 1200dpi with Edge-to-Edge Printing
- LED Button for Front Operation
- Low Cost Security with UV Printing
- Installable Encoders: MS, Contact & Contactless
- Upgradable Modules: Flipper & Ethernet



Dual sided ID CARD PRINTER
smart-31D

- Single or Dual Sided Printing
- Print Speed: Max. 29 sec./card (YMCKOK)
- 300, 600 & 1200dpi with Edge-to-Edge Printing
- 31S Field Upgradable to 31D
- LED Button for Front Operation
- Low Cost Security with UV Printing
- Installable Encoders: MS, Contact & Contactless
- Upgradable Modules: Ethernet



ISSUANCE

SMART Applications ensure proper card issuance and data management with SMART series printers at no extra cost.

- Design and Print (Images, Photos, Texts, etc.)
- 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, Cameram Scanner)
- Convenient card issuance and data management
- Magnetic stripe (MS), contact & contactless smart card encoding by using plug-in program



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.



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SPECIFICATIONS

Model		SMART-31S	SMART-31D
Printing	Print Type	Dye-Sublimation	
	Resolution	300dpi (Color & Mono), 600 & 1200dpi (Mono Only) / Edge to Edge	
Card	Dual Side Printing	Option (with Flipper)	Yes
	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
Print Speed	Monochrome	5 sec./card (720 cards/hour)	5 sec./card (720 cards/hour)
	YMCKO	Max. 23 sec./card (156 cards/hour)	Max. 23 sec./card (156 cards/hour)
	YMCKOK	-	Max. 29 sec./card (124 cards/hour)
Capacity	Input Hopper	80 Cards	
	Output Hopper	25 Cards	
System	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	48	
	Temperature	15~35°C	
	Humidity	35~70%	
	WxLxH (Millimeter)	172 x 377 x 190	172 x 472 x 190
	WxLxH (Inch)	6.8 x 14.8 x 7.5	6.8 x 18.6 x 7.5
	Kg/lbs	3.4 / 7.5	4.2 / 9.5
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	

*Print Speed : May change under specific condition.

Applications

Employee ID card
 Student ID
 Payment card
 Health card
 Leisure resort pass card
 Identification card
 Transport pass card
 Loyalty card / Event card



CONSUMABLES

COLOR RIBBONS

Model	Capacity	Description
YMCKO	250 Cards/Roll	Full Color Ribbon with Resin Black & Overlay
YMCKOK	200 Cards/Roll	Full Color Ribbon with Resin Black, Overlay & Black for Back Side
YMCFKO	200 Cards/Roll	Full Color Ribbon with UV Panel, Resin Black and Overlay
HYMCKO	350 Cards/Roll	Half Panel Size Color Ribbon with Resin Black and Overlay
3YMCKO	400 Cards/Roll	1/3 Panel Size Color Ribbon with Resin Black and Overlay

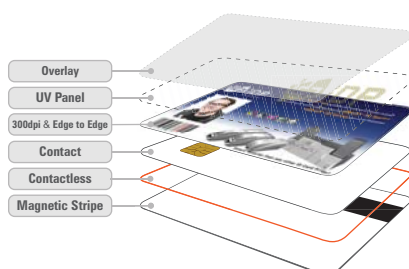
MONO RIBBONS

Model	Capacity	Description
KO	600 Cards/Roll	Black with Overlay
K	1200 Cards/Roll	Black
W	1200 Cards/Roll	White
B	1200 Cards/Roll	Blue
R	1200 Cards/Roll	Red
MG	1200 Cards/Roll	Metallic Gold
MS	1200 Cards/Roll	Metallic Silver
SO	1200 Cards/Roll	Scratch-Off

Specifications and availability may change without notice.

SMART-31 Series value class ID card printer for everyone which is a perfect solution for printing ID cards at a low budget.

SMART-31S (single-sided) and SMART-31D (dual-sided) printer models are available.



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