



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-31 S

- Color & Mono Single Sided Printing
- Print Speed: Max. 20 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-31 D

- Single or Dual Sided Printing
- Print Speed: Max. 26 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



Rewritable ID CARD PRINTER
smart-31 R

- Direct Thermal Rewritable Method
- Rewrite Speed: Max. 12 sec./card
- 300, 600 & 1200dpi with Edge-to-Edge Printing
- LED Button for Front Operation
- 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.

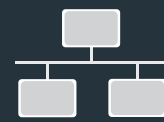
- Design and Print (Images, Photos, Texts, etc.)
- 1D & 2D Barcode printing
- Auto portrait (Auto face detection & adjustment of size & position)
- Printing of sequential numbers
- Card design templates
- Plug-in for supporting external devices (Sign pad, Cameram Scanner)
- Convenient card issuance and 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 | SMART-31R |
|------------------|---------------------|---|------------------------------------|-----------------------------------|
| Printing | Print Type | Dye-Sublimation | | |
| | Resolution | 300dpi (Color & Mono), 600 & 1200dpi (Mono Only) / Edge to Edge | | |
| Card | Dual Side Printing | Option (with Flipper) | Yes | No |
| | 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 | Rewritable Thermochromic Material |
| Print Speed | Monochrome | 5 sec./card (720 cards/hour) | 5 sec./card (720 cards/hour) | 5 sec./card (720 cards/hour) |
| | YMCKO | Max. 20 sec./card (180 cards/hour) | Max. 20 sec./card (180 cards/hour) | - |
| | YMCKOK | - | Max. 27 sec./card (133 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 | 172 x 377 x 190 |
| | WxLxH (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 |
| | Kg/lbs | 3.4 / 7.5 | 4.2 / 9.5 | 3.4 / 7.5 |
| 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 |
| YMCPKO | 200 Cards/Roll | Full Color Ribbon with Pearlescent, Resin Black and Overlay |
| HYMCKO | 350 Cards/Roll | Half Panel Size Color Ribbon with Resin Black and Overlay |

MONO RIBBONS

| Model | Capacity | Description |
|-------|-----------------|------------------------------------|
| KO | 600 Cards/Roll | Resin Black with Overlay |
| BO | 600 Cards/Roll | Dye-sublimation 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.

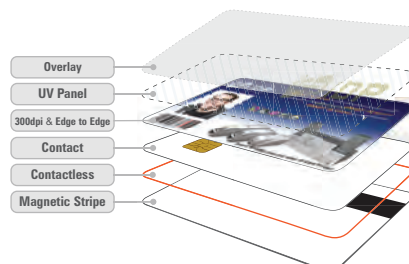
SMART-31 Series value class ID card printer for everyone which is a perfect solution for printing ID cards at a low budget.

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

SMART-31 Rewritable printer is an ideal solution for printing temporary information on ID cards.



Provides a cost effective solution!



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