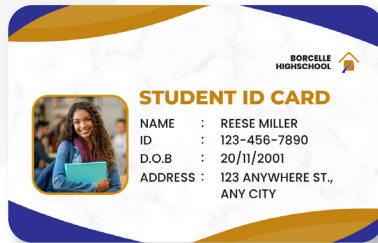




## Dual Sided ID Card Printer



### Convenient Design, Practical Performance

IDP's easy-to-use SMART-31D printer will produce full-color or monochrome cards reliably for years. Its time-tested design provides robust printing speeds, excellent image reproduction and cost savings.

The SMART-31D offers a wide range of optional features including Ethernet, smartcard encoding, and ultra-violet (UV) printing. Now small businesses can afford to produce their own ID Cards.

- Dual Sided Entry-Level ID Card Printer
- Small and Light Weight (9.5 lbs)
- Easy Operation
- FINE™ Imaging Technology
- Low Cost per Print
- Best-In-Class Warranty\* (See backside for details)

### Features

- Single or Dual Sided Printing
- Print Speed: Max. 26 sec/card (YMCKOK)
- 300dpi with Edge to Edge Printing
- LED Button for Front Operation
- Low-Cost Security with UV Printing
- Optional Encoders: MS, Contact & Contactless
- Optional Ethernet

### Issuance

SMART IDesigner ensures accurate card issuance and data management with your SMART series of printers. This application offers simple design tools to allow the user to create a truly customized card within minutes. SMART IDesigner offers advanced user tools such as database connections, camera, and signature scanners plug-in support, as well as smart card reading and encoding.

- 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 a plug-in program

### Security

The SMART series printers come with highly effective and tested physical and electronic security features.

- PASSWORD verification with administrator and user authentications
- PC AUTHENTICATION locks the SMART printer to a specific PC to render it useless if stolen
- DATA ENCRYPTION over USB and SSL (secure socket layer) over Ethernet
- PHYSICAL LOCKS are standard on the SMART-70 and an optional feature on the SMART-51 Series
- Ethernet - SNMPv3

### Networking

The SMART series offers "single-wire" printing and encoding.

- The SMART Ethernet module can not only print over your network, but can also be configured to encode a magnetic stripe, contact IC chips, and contactless smart cards over your network
- The SMART Ethernet module can be configured to accept "open card protocol" print commands for direct printing without a driver



## Printing

Print Type	Direct-to-Card/Dye-Sublimation
Print Area	Dual-Sided/Edge-to-Edge
Resolution	300dpi (color), 600, 1200dpi (mono only)

## Print Speed

Monochrome	5 sec./card (720 cards/hour)
YMCKO	Max. 20 sec./card (180 cards/hour)
YMCKOK	Max. 26 sec./card (138 cards/hour)

## System

Memory	64MB RAM
Display	1 LED Button
Supported Platforms	Windows 10/11, Mac OS, Linux
Communication	USB, Ethernet (Option)
Power Supply	Free Voltage (AC100/200V, 50~60Hz)
Power Consumption	48W
Temperature/Humidity	15~35°C/35~70%

## Certifications

CB CE FCC E

## Card

Card Feeding	Automatic
Card Size	ISO CR80 (54mm x 86mm/2.12" x 3.38")
Card Thickness	0.38mm (15mil), 0.76mm (30mil)
Card Type	PVC, PET, Composite PVC

## Capacity

Input Hopper	80 cards
Output Hopper	25 cards

## Dimensions

Millimeter (WxLxH)	172 x 472 x 190
Inch (WxLxH)	6.8 x 18.6 x 7.5

## Weight

Kg/lbs	4.2/9.5
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## Encoding Options

Magnetic	ISO7811 (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

## Consumables

**659366**  
YMCKO


Full Color Ribbon with Resin Black & Overlay



250 Cards/Roll

**659376**  
YMCKOK


Full Color Ribbon with Resin Black & Overlay & Black for Back Side



200 Cards/Roll

**659380**  
YMCFO


Full Color Ribbon with UV Panel, Resin Black and Overlay




200 Cards/Roll

**659378**  
HYMCKO

Half Panel Size Color Ribbon with Resin Black and Overlay




350 Cards/Roll



**659385**  
KO


Black with Overlay



600 Cards/Roll

**659367**  
K


Black



1200 Cards/Roll

**659370**  
W


White



1200 Cards/Roll

**659372**  
B


Blue



1200 Cards/Roll

**659371**  
R


Red



1200 Cards/Roll

**659374**  
MG


Metallic Gold



1200 Cards/Roll

**659373**  
MS


Metallic Silver



1200 Cards/Roll

**659375**  
SO

Scratch-Off



1200 Cards/Roll

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651528  
651367  
651463  
651356  
651359  
653035  
659366  
659376

**SMART-31D**  
**Ethernet Option**  
**SMART Wi-Fi Kit**  
**Magnetic Stripe Enc. Standard**  
**Contact SmartCard Enc. (Internal)**  
**Contactless SmartCard Enc.**  
**YMCKO Full-Color Ribbon**  
**YMCKOK Full-Color Ribbon**

Add "K" to any printer part number for a kit (1 YMCKO Ribbon,  
1-100pk Cards, & 1 Long Cleaning Card)

\*Warranty covers printers, print heads up to 20,000 prints, laminators, encoders, parts, and labor for the period of three years.  
Advance Replacement may apply. Note - SMART-81 offers a life-time print head warranty.

[www.idpamericas.com](http://www.idpamericas.com)