



- Dual Sided Entry-Level ID Card Printer
- Small and Light Weight (9.5 lbs)
- Easy Operation
- FINE™ Imaging Technology
- Lowest Cost per Print
- 3 YEAR WARRANTY



Convenient Design, Practical Performance

IDP's easy to use SMART-31D printer will produce full-color or monochrome cards reliably for years. Its time-test 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.

Printing Applications:

- Employee ID Cards
- Student ID Cards
- Payment Cards
- Health Cards
- Leisure Resort Pass Cards
- Identification Cards
- Transport Pass Cards
- Loyalty Cards
- Event Cards



FEATURES

- Single or Dual Sided Printing
- Print Speed: Max. 26 sec/card (YMCKOK)
- 300dpi with Edge to Edge Printing
- 31S Field Upgradable to 31D
- LED Button for Front Operation
- Low Cost Security with UV Printing
- Optional Encoders: MS, Contact & Contactless
- Optional Ethernet



ISSUANCE

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

- SMART IDesigner
- Design and Print (images, photos, texts, etc.)
 - 1D & 2D Barcode Printing
 - Autoportrait (auto face detection & adjustment of size and position)

- SMART DB
- Convenient issuance of Cards and Data Management
 - Supports Open Database Connectivity (ODBC)
 - 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 Open Card Print (OCP) protocol which can encode and print cards by using commands on multiple platforms without installing the printer driver.
- Available Encoding for Contact & Contactless Smart Cards by Ethernet.

Specifications

PRINTING

- Print Type: Dye-Sublimation
- Print Area: Edge to Edge
- Resolution: 300dpi
- Dual Sided Printing: Dual Sided Printing

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

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)

CAPACITY

- Input Hopper: 80 cards
- Output Hopper: 25 cards

SYSTEM

- Memory: 64MB RAM
- Control Panel: 1 LED Button
- Supported Platforms: Microsoft Windows 2000/2003/XP/Vista/7/8/10, Mac OS, Linux
- Communication: USB, Ethernet (Option)
- Power Supply: Free Voltage (AC100/200V, 50~60Hz)
- Power Consumption: 48
- Temperature/Humidity: 15~35°C/35~70%

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

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

CERTIFICATIONS



Consumables



COLOR RIBBONS

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
YMCFKO

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



MONO RIBBONS

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

Specifications and availability may change without notice.

Part Numbers:

SMART-31D	651528
SMART-31D K	651528K
SMART-31D B	651528B
SMART-31 R	651533

Network Hub	651570
Mag Encoding	651356
Contact Encoding	651359
Contactless Enc. (USB)	651081
Contactless Enc. (Eth)	651083
Flipper Assembly	651315

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



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