

SOLID 810

Print Now.
Print More.



New Trusted Identity Begins

Experience next-generation performance with the SOLID-810D, the industry's fastest retransfer card printer. Powered by our exclusive Rapid Retransfer Printing (RRP) technology, the SOLID-810D goes from power-on to "Fastest First Card Out" in just seconds—eliminating long warm-up times common in older retransfer printers.

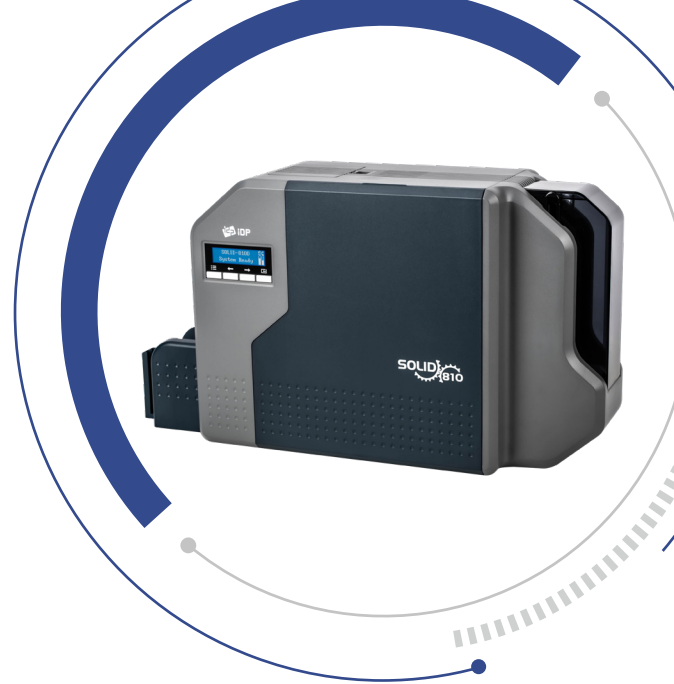
Delivering ultra-sharp, high-resolution images with rich, deep colors and true edge-to-edge (full-bleed) coverage, the SOLID-810D is ideal for high-security credentials, bank cards, and technology cards that demand premium print quality.

RRP technology from IDP offers power-on and Fastest First Card Out. The SOLID-810D produces higher quality, sharper-looking images than traditional card printers. It is the perfect choice for demanding applications that require deep dark colors with infinity-edge (full-bleed) graphics on blank or technology cards.

The input card hopper holds up to 200 cards and physical security features allow you to secure your printer, its supplies, and ejected cards in instant bank card issuance or high-security applications.

Features

- Fastest First Card Out – Industry-leading speed
- High-Capacity Input – 200-card hopper for uninterrupted high-volume printing
- Infinity Edge Printing – Stunning full-bleed image quality with rich, vibrant detail
- Dust-Resistant Design – Smart airflow system reduces defects caused by dust
- Option Banking Security – Designed to meet advanced security and compliance needs
- Durable & Modern – Engineered for performance with a sleek, robust design



Issuance

SMART IDesigner ensures accurate card issuance and data management with your SOLID 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 SOLID series printers come with highly effective and tested physical and electronic security features.

- PASSWORD verification with administrator and user authentications
- PC AUTHENTICATION locks the SOLID 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 SOLID-510 Series
- Ethernet - SNMPv3

Networking

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

- The SOLID 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 SOLID Ethernet module can be configured to accept "open card protocol" print commands for direct printing without a driver

Printing

Print Type	Dye-Sublimation / Resin Thermal Retransfer
Print Area	Dual-Sided/Over-the-Edge
Resolution	300dpi/600dpi

Print Speed

Monochrome	Max. 25 sec./card (144 cards/hour)
YMCKK	Max. 43 sec./card (84 cards/hour)

System

Display	2 Line Graphic LCD Indicator / 4 Buttons
Supported Platforms	Windows 10/11, Mac OS, Linux
Communication	USB, Ethernet (Option)
Power Supply	100-240V~ 50/60Hz 2.5A
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	0.76mm (30mil) ~ 1.6mm (64mil)
Card Type	PVC, PET, Composite PVC

Capacity

Input Hopper	200 Cards
Output Hopper	100 Cards

Dimensions

Millimeter (WxDxH)	460 x 224 x 310
Inch (WxDxH)	18.1 x 8.8 x 12.2

Weight

Kg/lbs	11.4 / 25.13
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Encoding Options

Magnetic	ISO 7811 (Track I, II, III Read/ Write, HiCo/ LoCo)
Contact	ISO 7816 (ID-1)
Contactless	ISO 14443 (Type A/ B), ISO 18092(NFC), MIFARE, DESFIRE
Security	Physical & Electronic Locking System

Consumables



Color
Ribbons

YMCK

Full Color Ribbon
with Resin Black

500 Cards/Roll

YMCKK

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

500 Cards/Roll



Retransfer
Film

Retransfer Film

500 Cards/Roll

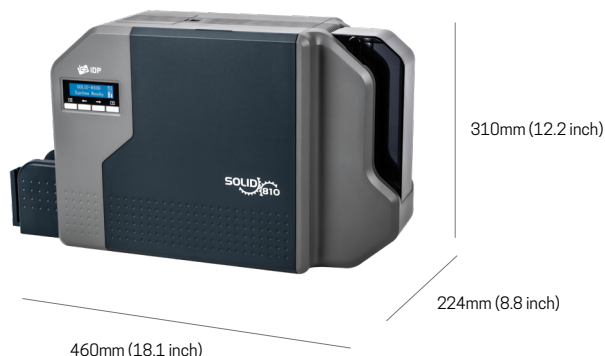


Ribbon
& Film Package

YMCK & Retransfer Film

Full Color Ribbon with Resin Black
& Retransfer Film

500 Cards/Roll



*Optional SOLID-810L Lamination Add-On for SOLID-810 Series Card Printers

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900872

SOLID-810D 300dpi
Magnetic Stripe Enc. Standard
Contact SmartCard Enc.
Contactless SmartCard Enc.
Contact IC (ISO 7816 ID-1) & Contactless
YMCK & Retransfer Film Pack
YMCKK (no film included)
YMCFK (no film included)
Retransfer INTM Film (no ink included)
Clear 1mil Lamine Film
Globe Flags Hologram 1 mil Film
Celestial Hologram 1 mil Film
Clear IC Chip, 1mil Film