

SOLID^{LE} 510

Laminating ID Card Printer



Increase Card Life, Increase Security, Decrease Costs

IDP's SOLID-510L LE printer produces high quality printed and laminated cards for government credentials, student photo identification, and secured access control badges.

Ideally suited for today's increased security on identification cards, the SOLID-510L LE with patented Direct Lamination™ technology provides an ultra-fast laminating solution with state-of-the-art security features. When it comes to security and reliability, the SOLID-501L provides premium protection.

SOLID-510 LE Series

- Single or Dual Sided Laminating ID Card Printer
- Patented 8-Second Heat Up Time
- Fast, Quiet with User Friendly LCD
- FINE™ Imaging Technology
- Lowest Cost per Print
- Best In-Class Warranty* (See backside for details)

Features

- Single or Dual Sided Printing & Laminating
- 8 Second Heat Up Time with Patented Direct Lamination™
- Printing & Laminating Speed: Max. 22 sec/card (YMCK & Single Lamination)
- 300dpi (color), 600, 1200dpi (mono only)
- Edge to Edge Printing
- 510S & 501D Field Upgradable to 510L
- 2 Lines LCD with 2 LED Buttons for Front Operation
- Holographic Lamination for Visual Security & Card Durability
- Installable Encoders: MS, Contact & Contactless
- Upgradable Ethernet

Issuance

SMART IDesigner ensures accurate card issuance and data management with your SOLID LE 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 plug-in program

Security

The SOLID LE 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 LE 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 magnetic stripes, 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
Print Area	Edge to Edge
Resolution	300dpi (color), 600, 1200dpi (mono only)
Dual Sided Printing	Dual Sided Printing

Print Speed

Monochrome	5 sec./card (720 cards/hour)
YMCKO	Max. 17 sec./card (212 cards/hour)
YMCKOK	Max. 22 sec./card (164 cards/hour)

System

Memory	64MB RAM (additional 4GB with gender board)
Display	2 Line LCD
Control Pane	2 LED Buttons
Supported Platforms	Microsoft Windows 7/8/10, Mac OS, Linux
Communication	USB, Ethernet SNMPv3 (option), WiFi (option)
Power Supply	Free Voltage (AC100/220V, 50~60Hz)
Power Consumption	96W
Temperature/Humidity	15~35°C/35~70%

Laminating

Mode	Single & Dual
Film (clear & holographic)	0.6mil, 1.0mil
Speed Simultaneous (Single Lamination)	22 sec./card (YMCK), 32 sec./card (YMCKK)
One by One (Single Lamination)	43 sec./card (YMCK), 53 sec./card (YMCKK)

Consumables

	659366-27	659376-27	659380-27	659378-27
	YMCKO	YMCKOK	YMCKFO	HYMCKO
Color Ribbons	Full Color Ribbon with Resin Black & Overlay	Full Color Ribbon with Resin Black & Overlay & Black for Back Side	Full Color Ribbon with UV Panel, Resin Black and Overlay	Half Panel Size Color Ribbon with Resin Black and Overlay
				
	250 Cards/Roll	200 Cards/Roll	200 Cards/Roll	350 Cards/Roll



Card

Card Feeding	Automatic
Card Size	ISO CR80 or ISO CR79 (Option-Factory Installed)
Card Thickness	0.38mm (15mil), 0.76mm (30mil)
Card Type	PVC, PET, Composite PVC

Capacity

Input Hopper	100 / 200 cards with cover open
Output Hopper	Front: 40 cards / Rear: 100 Cards *Optional Rear-Side Stacker

Dimensions

Millimeter (WxLxH)	165 x 675 x 210
Inch (WxLxH)	6.5 x 26.6 x 8.3

Weight

Kg/lbs	8.8/19.4
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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

Certifications



Holographic Designs



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