Experience the Next Evolution in Card Printing

smart 52

Introducing the SMART-52 Series ID Card Printer—re-engineered from the ground up to deliver faster performance, smarter control, and a superior printing experience.

Building upon the proven reliability of IDP's best-selling SMART-51, the SMART-52 combines next-generation hardware with powerful innovations for professional-grade ID card issuance.

Based on a new multi-core CPU and 8x larger RAM, the SMART-52 provides 30% faster printing speed and a uniform, stable, and optimal print quality.

The SMART-52's touchscreen LCD allows for complete, direct control over all functions on the printer, eliminating the need for a PC or external devices.

The extended ribbon capacity, featuring a 40% larger ribbon (350 cards per roll, YMCKO), reduces ribbon changeovers and lowers the total issuance cost.

The SMART-52's multi-platform utility ensures consistent, simplified card issuance and management across any OS environment.



Evolved in Performance. Elevated in Experience.

Performance, Elevated.

Unmatched Speed & Precision

30% Faster Output

A new multi-core CPU and 8x larger memory enables *up to 280 cards/hour (YMCKO)* [1)]

Brilliant, Consistent Color

A new variable printing algorithm achieves a wider color spectrum for richer, more stable image quality across every card.

Control, Simplified.

Unrivaled User Convenience

Touchscreen LCD Interface

Manage printer settings, monitor status, & diagnostics directly from the printer - no PC or any devices required.

Powerful Networking

Seamless device connectivity with flexible network and USB options, adaptable to any issuance environment.

Unified Utility Software

Experience smooth setup and consistent operation across Windows, MacOS, Linux and networked environments.

Efficiency, Maximized.

Redefining Productivity and Value

Extended Ribbon Capacity

A *40% larger ribbon (350 cards per roll, YMCKO)* reduces changeovers & lowers total issuance cost.

Stable, High-Volume Printing

Enhanced memory and processor performance ensure error-free reliability even with complex data loads.

IDP

- Touch screen LCD
  All printer functions can be controlled without a PC
- Support CR79 Type (Factory-installed) *option
- Removable Output Hopper
- Manual Feeding *option



- Fast Printing Speed
  Max. 280 cards/hour 1)
- High Volume Printing
  350 cards/roll, YMCKO & up to **200 cards loading**
- Front side Mag. Encoding
- Support of Transparent Card 2)



- Performance, Elevated
  New multi-core CPU, 512MB RAM
- Perfect connectivity
  Built-in Ethernet, WiFi *option
  Multi-platform Printer Utility
  MS Windows Plug and Play *upcoming
- Rear-side Stacker (Up to 100 cards) *option



SPECIFICATIONS

Model			SMART-52S	SMART-52D	SMART-52L
Printing	Print Type		Dye-Sublimation		
	Resolution		300dpi (Color & Mono), 600 & 1200dpi (Mono only) / Edge to Edge		
	Dual Side Printing		Option (with Flipper)	Yes	Yes (Flipper Installed)
Card	Card Feeding		Automatic		
	Card Size & Thickness		ISO CR80 or ISO CR79 (Option-Factory installed) | 0.38mm (15mil) ~ 1.0mm (40mil)		
	Card Type		PVC, PET, Composite PVC		
Print Speed	Monochrome		Max. 1000 cards/hour		
	YMCKO		Max. 280 cards/hour		
	YMCKOK			Max. 200 cards/hour	
Lamination Speed	Simultaneous (Single Lamination)	YMCK	-	-	Max. 160 cards/hour
		YMCKK	-	-	Max. 130 cards/hour
	One by One (Single Lamination)	YMCK	-	-	Max. 125 cards/hour
		YMCKK	-	-	Max. 100 cards/hour
Capacity	Input Hopper		100 Cards / 200 Cards with cover open		
	Output Hopper		Front : 40 Cards / Back : 100 Cards (Optional Back-side Stacker)		
System	Display & Control		Touch Screen LCD		
	Supported Platforms		Microsoft Windows 7/ 8 /10 /11, Mac OS, Linux		
	Communication		USB, Built-in Ethernet | WiFi (Option)		
	Power Supply		DC 24V		
	Power Consumption		48	48	96
	Temperature/Humidity		15~35°C / 35~70%		
Security	Physical Lock		Input Hopper & Ribbon (Option) | Laminate Film (Option)		
	Kensington Lock		Option		
Dimensions	WxLxH (Millimeter / Inch)		165 x 390 x 210 / 6.5 x 15.4 x 8.3	165 x 498 x 210 / 6.5 x 19.6 x 8.3	165 x 675 x 210 / 6.5 x 26.6 x 8.3
	Kg/lbs		4.5 / 10	5.2 / 11.5	8.8 / 19.4
Encoding Option	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		

1) Print Speed : May change under specific condition.
2) Only for Transparent card with Mag. strip.

COLOR RIBBONS

YMCKO	350 Cards/Roll	Full Color Ribbon with Resin Black & Overlay
YMCKOK	300 Cards/Roll	Full Color Ribbon with Resin Black, Overlay & Black for Back Side
YMCFKO	300 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	500 Cards/Roll	Half Panel Size Color Ribbon with Resin Black and Overlay

MONO RIBBONS

KO	800 Cards/Roll	Resin Black with Overlay
BO	600 Cards/Roll	Dye-sublimation Black with Overlay
K	1800 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 Sliver
SO	1200 Cards/Roll	Scratch-Off

SECURITY FILMS

HPF	250 Cards/Roll	Hologram Patch Film
CPF	250 Cards/Roll	Clear Patch Film





Discover more at
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Specifications and availability may change without notice.

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