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
- 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 | 200 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 |






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*Specifications and availability may change without notice.*

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