

DATACARD®  
SECURE ID SOLUTIONS

Building a More Secure World



## PROTECT THE PEOPLE AND PLACES THAT MATTER MOST



Think about all the people who interact with your organization every day. Employees, customers, students, visitors — all of them are vital to your success. Equally critical is a secure environment. One that protects your stakeholders, facilities and data from a wide range of threats.

Secure ID solutions from Datacard Group can help you increase security in any organization around the world. No other manufacturer offers a wider range of fully integrated solutions.

This flexibility is critical. Because for small businesses, a secure ID solution may involve name-and-photo IDs, while schools and universities may require magnetic stripes that integrate with access control. Corporations and government agencies often need highly secure IDs with holographic laminates, and retailers may want to add a photo or digital signature to gift and loyalty cards.



**Datacard Group offers secure ID solutions to meet your needs and fit your budget.**

## TRUST THE EXPERTS IN SECURE IDENTIFICATION

### FLEXIBLE CHOICES FOR IMPROVING SECURITY

Datacard Group offers one of the broadest portfolios of secure ID solutions available today. Whether you are printing your first ID cards, creating IDs for new facilities or employees, or enhancing your current cards with the latest technologies, we can provide exactly what you need.

The key is versatility. We design and test the components of our solutions to work together in many different combinations. That means you can mix-and-match software, capture systems, card printers and other elements in a unique configuration that aligns perfectly with your top priorities.

### FROM A WORLD LEADER IN SECURE ID SOLUTIONS

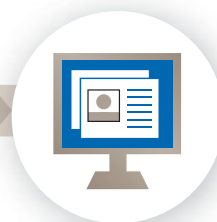
Unlike other manufacturers, Datacard Group specializes in end-to-end solutions for secure IDs. Customers around the world insist on the Datacard® brand because our solutions incorporate advanced technology to solve critical issues in many markets. We also continuously develop innovative features that increase durability, speed and output quality. The end result is exceptional customer satisfaction.

### CRITICAL ISSUES TO ADDRESS

- **Design:** One- or two-sided? One-color or full-color? Photos and/or logos?
- **Functionality:** Visual identification or machine-readable authentication?
- **Environment:** Average ID life span, daily usage, physical threats?
- **Demand:** Volume of IDs, centralized/distributed production, growth plans?
- **Security:** Access control integration, biometrics, sophisticated laminates?
- **Information:** Data types, centralized database, secure Web access?

### HOW TO BUILD A MORE SECURE ENVIRONMENT

Here are the steps your organization can take to create the right secure IDs. Datacard Group sales channels offer all of the products described here — and much more.



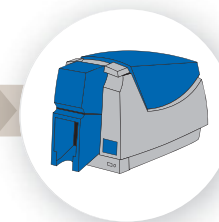
#### 1. Power Up Your Identification Software

Identification software is where it all begins. This application enables you to customize card designs, manage cardholder images and related data, and print custom reports.



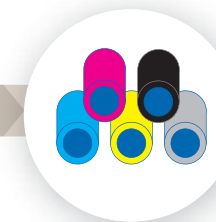
#### 2. Capture Images and Biometrics

Use a digital camera to photograph the cardholder. Capture the cardholder's fingerprint image and/or other biometrics, and record a digital signature.



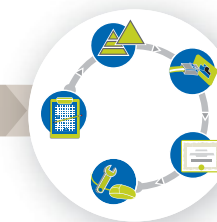
#### 3. Print Cards

After data capture, a desktop card printer prints the card in a single color, full-color or rewritable pixels. It may also encode the magnetic stripe or smart card chip.



#### 4. Reload Supplies

High-quality color ribbons, topcoats and laminates help ensure exceptional image quality, consistency and security. Periodically, you will need to replace supplies as they are consumed.



#### 5. Receive Professional Service

Whether you work with Datacard™ Global Services directly or with one of the skilled dealers or distributors in our extensive service network, you will gain access to a team with the expertise and experience required to optimize performance.



# CREATE THE RIGHT CARD SOLUTIONS FOR YOUR ENVIRONMENT

Secure ID cards can be used in a diverse number of ways. That is why Datacard® secure ID solutions are designed to accommodate a broad array of needs across multiple markets and applications. Regardless of your specific needs, you can expect seamless compatibility, outstanding reliability and superior value. Plus, these products can be integrated with an even wider range of third-party offerings for highly specialized applications.

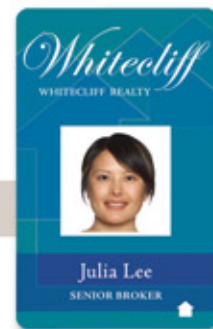


## 1. VISUAL IDENTIFICATION SOLUTION

- Basic image capture
- Low-volume card printing
- Entry-level ID software

### IDEAL FOR:

- Staff IDs
- Education
- Health clubs
- Membership organizations



## 3. ACCESS CONTROL SOLUTION

- Professional image capture
- High-quality card printing
- Advanced ID software

### IDEAL FOR:

- Corporations
- Hospitals/healthcare
- Visitor management
- Universities



For basic **VISUAL IDENTIFICATION**, you can use:

- Brilliant color **photos**
- **Logos** and other graphics
- Cardholder **signature**
- Tamper-evident **ghost images**

Secure cards can store data to support e-purse, time-and-attendance and other **TRANSACTIONAL** systems with:

- Scannable **bar codes**
- Encoded **magnetic stripes**
- Contact or contactless **smart cards** personalized with machine-readable data



Secure IDs for **ACCESS CONTROL**, which allow employees and visitors to enter facilities or log in to networks, may include:

- **Proximity cards** that utilize an embedded radio frequency identification (RFID) transponder
- **Magnetic stripe** encoding that supports card-swipe systems

For **ADVANCED SECURITY** applications, secure IDs require the most sophisticated features available:

- Printed **fingerprint image** for perceived security
- Stored fingerprint minutia or other impossible-to-replicate **biometrics**
- Datacard® DuraGard® virtual edge-to-edge **security laminates** with holographic images, microprinting, guilloche patterns and other optical variable devices (OVDs)
- **Ultraviolet fluorescent** printing



## 2. TRANSACTIONAL SOLUTION

- Essential card design software
- Mid- to high-volume card printing

### IDEAL FOR:

- Retail
- Gift cards
- Loyalty cards
- Stored value
- Time-and-attendance
- Casinos



## 4. ADVANCED SECURITY SOLUTION

- Secure image capture
- Biometric capture
- Card printing and security laminate application
- Sophisticated ID software

### IDEAL FOR:

- Government
- National ID programs
- Drivers license programs
- High-tech corporations
- Universities



# THE INDUSTRY'S BEST-SELLING SECURE ID SOLUTIONS

Datacard secure ID solutions include everything you need to build a more secure environment for your organization. Because they are engineered to work together seamlessly, Datacard secure ID solutions provide outstanding uptime and proven long-term reliability. So you can protect your people and facilities — as well as your technology investment.



## USER-FRIENDLY IDENTIFICATION SOFTWARE

Our versatile, easy-to-use software fits virtually any user environment.

### Datacard® ID Works® identification software

This flexible, powerful platform comes in four unique versions:

- ID Works **Intro** for entry-level ID cards
- ID Works **Basic** for essential card design and printing
- ID Works **Standard** for advanced card design and database management
- ID Works **Enterprise** for sophisticated security, biometrics and smart card applications

### Datacard® ID Works® Visitor Manager solution

Scans government-approved credentials and prints secure IDs for fast visitor enrollment

## EASY IMAGE AND BIOMETRIC CAPTURE

These offerings make it simple to capture cardholder images and biometrics with exceptional efficiency.

### Datacard® Tru™ Photo Intro solution

For low-volume, manual image capture and cropping

### Datacard® Tru™ Photo solution

For automated one-click capture and cropping

### Datacard® Tru™ Photo Professional solution

For automated high-quality image capture and cropping

### Datacard® Tru™ Signature solution

Captures and stores digital signatures

### Datacard® Tru™ Fingerprint solution

Captures fingerprint images and/or minutia

## POWERFUL, VERSATILE CARD PRINTERS

Datacard card printers deliver outstanding image quality, reliability and versatility.

### Datacard® SP25 Plus card printer

Affordable full-color or rewritable cards for manual-feed applications

### Datacard® SP35 Plus card printer

Easy-to-use printer for one-sided color cards

### Datacard® SP55 Plus card printer

Fast print speeds for one- or two-sided color cards

### Datacard® SP75 Plus card printer

Produces highly secure IDs and applies virtual edge-to-edge laminates

### Datacard® RP90 Plus card printer

Uses retransfer technology to print on heavy-duty composite cards

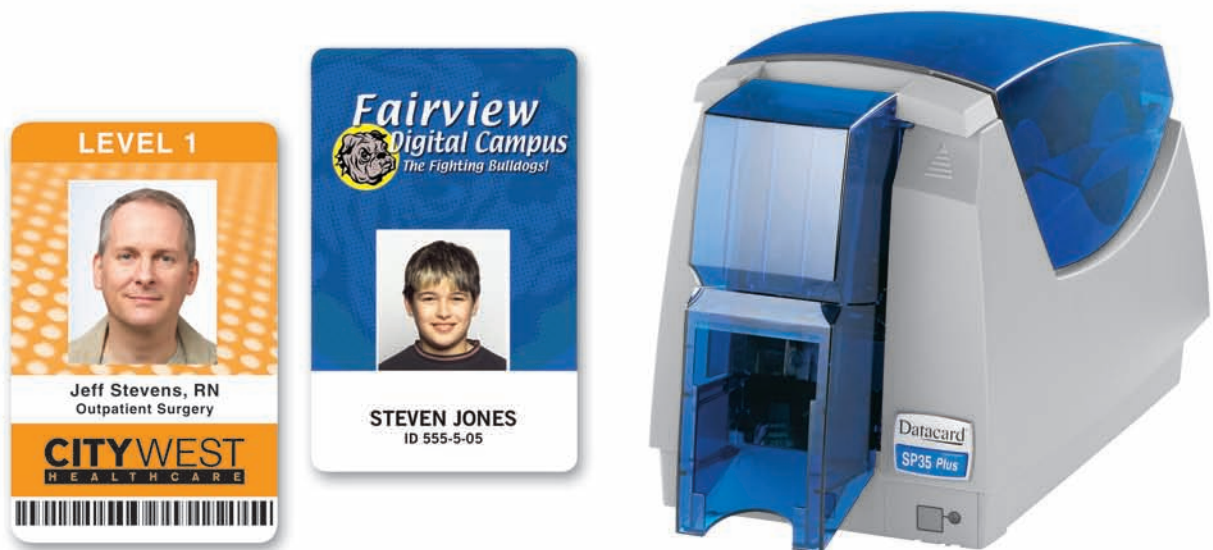
## HIGH-QUALITY SUPPLIES AND DEDICATED SERVICES

**Datacard® Certified Supplies** featuring Intelligent Supplies Technology™ help ensure superior image quality, consistent card printing and outstanding performance. They incorporate patented RFID technology, which allows Datacard card printers to recognize when the supplies are installed, automatically adjust settings and track consumption.

**Datacard® DuraGard® virtual edge-to-edge security laminates** feature standard and customized optical variable devices (OVDs), including holographic artwork, microprinting, guilloche patterns, laser retrievable covert text and color shift ink. These exclusive supply items significantly improve card security and durability.

**Datacard™ Global Services and our extensive network of service experts** specialize in helping organizations of all kinds plan and implement successful secure ID programs. These dedicated experts can work with you to accelerate deployment, resolve common issues and fine-tune processes.

# DATACARD® SP35 PLUS CARD PRINTER



## CONVENIENT DESIGN, EXCELLENT EASE OF USE

### Convenient card printing

The SP35 Plus card printer is designed for easy operation and maintenance. User-friendly features include:

- A printer driver that provides message prompts, recovery instructions, color image previews and online user help
- Driver support for Microsoft® Windows® 2000, XP and Windows Vista® operating systems
- Quick-change supplies
- Operator-replaceable printheads
- Front-facing input and output card hoppers
- Small, efficient design
- Continuous card cleaning

The Datacard® SP35 Plus card printer delivers everything you need to print vivid, one-sided cards. With its productive print speed, superb image quality and easy operation, this convenient printer is ideal for issuing education, healthcare and staff IDs — and more.

- **Exceptional productivity.** The SP35 Plus card printer personalizes up to 160 full-color cards or 750 one-color cards per hour. This printer is also extremely light and portable, weighing only nine pounds. Its sleek design and compact size make it a welcome addition to any desktop.
- **Superb edge-to-edge imaging.** The SP35 Plus card printer leverages Advanced Imaging Technology™ to produce vivid and vibrant full- or one-color photos, graphics and text across the entire card surface. This exclusive technology uses optimized print ribbons and user-adjustable controls to yield smooth, uniform and solid backgrounds, improved color matching with image capture devices, enhanced bar code printing and sharp reproduction of edges and fine text.
- **Multiple options and capabilities.** In addition to standard bar code printing, the SP35 Plus card printer gives you the option to integrate magnetic stripe encoding and smart card personalization with a factory option or simple field upgrade. So, you can purchase these printers with confidence, knowing you can upgrade your card printing capabilities at any time.

**Datacard** Group

SECURE ID AND CARD PERSONALIZATION SOLUTIONS

Front-facing 100-card input hopper makes it easy to load blank card stock

Quick-change ribbons switch out in seconds

Optional magnetic stripe encoding and smart card personalization



USB port for industry-standard connectivity

Front-facing output hopper allows placement in space-restricted locations



The Datacard® SP35 Plus card printer offers an ideal mix of convenience and simplicity in an attractive, compact model.

## DATACARD® SP35 PLUS CARD PRINTER

### Standard features

#### Print capabilities

- One-sided edge-to-edge printing
- Continuous-tone, full-color, black-and white photos
- Alphanumeric text, logos and digitized signatures
- Variety of bar codes
- Background patterns

#### Advanced Imaging Technology™

#### Print speed

- Full-color printing:  
Up to 160 cards per hour
- One-color printing:  
Up to 750 cards per hour

#### Capacity

- Input hopper: 100 cards, 0.03 in. (0.76mm)
- Output hopper: 20 cards, 0.03 in. (0.76mm)

#### Operating system support

- Bi-directional USB supported on Microsoft® Windows® 2000, XP and Windows Vista® operating systems
- Printer driver pooling supported on Microsoft Windows 2000, XP and Windows Vista operating systems
- Datacard® Open Platform printer driver for non-Windows platforms

#### Printer driver

- User-adjustable image and color controls
- Stand-alone driver diagnostics
- Color image and test card preview
- Online user help
- Add text, image or pattern to topcoat
- Supply usage tab

### User-friendly operation

- Audible and visual message prompts
- Automatic card feed
- Operator-replaceable printhead
- Continuous cleaning roller
- Easy-access components including quick-change ribbon cartridges
- Highly accessible card path

#### Datacard® Certified Supplies featuring Intelligent Supplies Technology™

- Automatic identification and validation for ribbons
- Automatic printer settings
- Low ribbon warning
- Ribbon saver

#### Warranties

- 24-month standard depot warranty
- 24-month printhead warranty (no pass restrictions)

### Options

#### Magnetic stripe encoding

- ISO: IAT or NTT
- Dual high- and low-coercivity
- Tracks 1, 2 and 3 (1 track for NTT)

#### Smart card personalization

- Contact/contactless all-in-one reader
- Contact station

#### Clear card personalization

- Input hopper empty alert
- Soft-sided carrying case

### Specifications

#### Physical dimensions

- L 16.5 in. x W 7.8 in. x H 9.0 in. (41.25 cm x 19.5 cm x 22.5 cm)

#### Weight

- 8 to 9 lbs (3.6 kg to 4.1 kg) depending on options

#### Print resolution

- 300 dots per inch, 256 shades

### Electrical requirements

- 100/120V, 50/60 Hz
- 220/240V, 50/60 Hz

### Plastic cards accepted

- ISO ID-1/CR-80 size cards
- 3.370 in. x 2.125 in. (85.6 mm x 53.98 mm)
- PVC with glossy laminate surface
- Clear cards
- Other core materials with PVC overlaminates are optional

### Card thicknesses accepted

- 0.009 in. to 0.055 in. (0.2286 mm to 1.397 mm)

### Operating environment

- 60°F to 95°F (15°C to 35°C)
- 20% to 80% non-condensing humidity

### Storage environment

- 5°F to 140°F (-15°C to 60°C)
- 10% to 90% humidity

### Agency approvals

- Safety: CE, UL, cUL
- FCC Emissions: FCC CFR 47, part 15, subparts b and c, class A
- European EMC Emissions: EN55022: 1998, EN61000-3-2, EN61000-3-3, Immunity (EN55024: 1998)
- RTTE ETSI 300-330, ETSI 300-489-3:2000
- Canada Emissions: RSS-003
- Industry of Canada approval to RSS-210
- Japan: VCCI V.3/2001.04
- China: CCC, GB4943-2001, GB9254-1998 GB17625.1-1998
- Taiwan: RPC, DGT
- RoHS compliant: EU, China

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