Datacard® SP55 Card Printer

Imagine what it could do for your enterprise

We integrated the power and functionality of a professional-grade card printer with the plug-and-play simplicity of a desktop printer. The result is another breakthrough in technology—the Datacard® SP55 card printer. This versatile, new printer is advanced enough to meet the demands of high-profile security programs, yet easy and affordable enough for enterprises launching their first card programs.

Versatility for secure ID and consumer marketing programs

The Datacard SP55 card printer delivers high-quality photo IDs that elevate security programs to entirely new levels. Smart card, magnetic stripe, bar code and proximity options make it easy to create multi-technology IDs that provide authorized users with secure access to facilities, networks and other privileges. For consumer marketers, this new printer serves as a powerful platform for highly profitable loyalty programs.

Intelligent features and a flexible design

The design of the new Datacard SP55 card printer is based on more than 10 years of market leadership, and it anticipates the emerging needs of your card program.

The new Datacard® SP55 card printer combines the power of a professional-grade printer with the plug-and-play simplicity of a desktop system.

Edge-to-edge printing

High-quality, edge-to-edge printing results in more attractive cards with a more professional look. The Datacard exclusive Advanced Imaging Technology™ ensures vivid, rich colors in photos, text and graphics.

Simplex or duplex printing

The Datacard SP55 card printer gives you the option of single- or double-sided imaging. A highly efficient card handling system flips cards quickly for duplex printing requirements.

Up to 700 cards per hour

The rated speed of up to 700 monochrome and 180 color cards per hour is impressive, but the real throughput creates a wider gap between the Datacard SP55 card printer and competitive offerings.

Extra-large card hoppers

Your choice of 100- or 200-card input hoppers ensure continuous productivity at the beginning of the printing process, and a 40-card output hopper keeps operations moving without card unloading delays.

Optional locks for input hoppers

You can configure the Datacard SP55 card printer with special locks that protect card stock. Additional locks allow you to secure the printer to a work surface.

Compact, lightweight design

A sleek design allows the printer to work productively, even in small work areas. Lightweight construction makes it truly portable and allows you to print cards anywhere they are needed.

Smart card, magnetic stripe and proximity card options

The Datacard SP55 card printer is a perfect fit with access controls and other automated systems. Choose any combination of smart card, magnetic stripe or proximity (RF) technology. Each of these technologies is field-installable.

Automatic cleaning system

The Datacard SP55 card printer automates the necessary and often-forgotten task of system cleaning. It continuously removes particles that could scratch cards, damage printheads or diminish print quality.

Large, quick-change ribbons

Longer print ribbons reduce the need to stop and change supplies. When replenishment is necessary, a quick-change design makes it fast and easy. Datacard® Certified Supplies with RF technology provide real value-add features, such as "ribbon auto save" enabling consumers to increase productivity while lowering the cost per card.

Ethernet connectivity

The Datacard SP55 card printer is the only offering in its class with built-in Ethernet capabilities. Simply plug it into your network and print cards anywhere—on demand. This is a great feature for large, multifaceted organizations, such as hospitals, corporations, casinos, colleges and universities.

Smart printer driver

The Datacard SP55 card printer features our innovative smart printer driver. You get user-adjustable image controls, diagnostic capabilities, color image previewing, test card previewing and online user help.

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Standard features

- Edge-to-edge printing
- Full-color printing: Up to 180 cards per hour (simplex); up to 115 cards per hour (duplex)
- Monochrome printing: Up to 700 cards per hour (simplex); up to 300 cards per hour (duplex)
- 100-card, front-facing input hopper— 0.030 in. (0.76 mm) card thickness.
- 40-card, front-facing output hopper— 0.030 in. (0.76 mm) card thickness.
- Microsoft® Windows® Me, 2000 and XP printer driver
- Printer pooling (Windows® 2000 and XP)
- USB cable connection
- Smart Driver
  - User-adjustable image and color controls
  - Stand-alone "smart" driver diagnostics
  - Color image and test card preview
  - Online user help
- Audio and visual message prompts
- Automatic card feed
- Datacard® Certified Supplies with enhanced features
  - Advanced Imaging Technology™
  - Ribbon identification and validation
  - Printer settings and offsets
  - Ribbon low warning
- 18-month standard depot warranty for printer
- 18-month printhead warranty — no prorating; no card counting
- Operator-replaceable printhead
- Continuous cleaning roller

Options

- Single-sided or double-sided printing
- Magnetic stripe encoding
  - IAT or NTT
  - Dual high- and low-coercivity
  - Tracks 1, 2 and 3 (1 track for NTT)
- Smart card personalization
  - Contact GemPC® USB
  - Contactless GemEasyLink 680 SL
  - Combination Contact GemPC USB and Contactless GemEasyLink 680 SL
  - Contact station
  - HID® compatible Prox reader (read only)
- 200 card input hopper
- Lockable input tray — Kensington Security Slot
- Printer security lock
- StickiCard™ adhesive-backed plastic cards
- Soft-sided carrying case

Networking Option

- Direct-connect 10 Base-T Ethernet
- Support for OpenCard data format
  - 38 bitmap fonts: Arial (7 sizes), Arial Bold (7 sizes), Courier (6 sizes), Courier Bold (6 sizes), Times (6 sizes), Times Bold (6 sizes)
  - Bar codes: 3 of 9, Interleaved 2 of 5, UPC, Code 128
- LDP protocol support
- SNMP (Simple Network Management Protocol) Support
- DHCP (Dynamic Host Configuration Protocol) Support
- Smart Driver compatible
- Backlit LCD Panel

Specifications

- Physical dimensions:
  - 21.5 in. L x 7.8 in. W x 9.5 in. H (546 mm x 198 mm x 241 mm) with 100 input hopper
  - 21.5 in. L x 7.8 in. W x 11.9 in. H (546 mm x 198 mm x 302 mm) with 200 input hopper
- Weight: Less than 11.5 lbs (5.3 kg) without supplies
- Print capabilities:
  - Edge-to-edge printing
  - Continuous-tone, full-color, black-and-white photos
  - Alphanumeric text, logos and digitized signatures
  - Variety of bar codes
  - Background patterns
- Print resolution: 300 dots per inch
- Shade count: 256 shades
- Communications: Bi-directional USB and 10 Base-T Ethernet
- Plastic cards accepted:
  - Size: 3.375 in. (85.7 mm) x 2.125 in. (54.0 mm)
  - Type: PVC with glossy laminate surface; other core materials with PVC overlaminates are optional
  - Thickness:
    - .009 in. to .055 in. (.2286 mm to 1.397 mm) can pass through all options
    - .018 in. to .040 in. (.508 mm to 1.016 mm) for magnetic stripe card options
    - .027 in. to .040 in. (.6858 mm to 1.016 mm) for contacted smart card options
    - .027 in. to .040 in. (6858 mm to 1.016 mm) for contactless smart card options
- Resident memory: 16 MB
- Datacard® Certified Supplies:
  - Ribbon kits include: One print ribbon, one adhesive cleaning sleeve, and one isopropanol cleaning card

- Variety of ribbon kits:
  - YMCKT-KT (three colors, black, topcoat, black, topcoat)
  - YMCKT (three colors, black and topcoat)
  - KT (black with topcoat)
  - K (black)
  - Black HQ (High Quality)
  - Additional colors available (red, dark blue, silver, white, green, metallic gold, metallic silver, flat gold, flat silver and scratch-off gray)
  - Metallic holographic
- Variety of cleaning supplies:
  - Isopropanol cleaning card (available separately and within ribbon kit)
  - Adhesive cleaning sleeve (available separately and within ribbon kit)
  - Isopropanol cleaning pen
- Electrical requirements:
  - 100/120V, 50/60 Hz
  - 220/240V, 50/60 Hz
- 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

- The Safety approvals:
  - CE
  - Demko
  - UL
  - cUL
- FCC Emissions:
  - FCC CFR 47, part 15, subparts b and c, class A
- European EMC (CE):
  - Emissions: EN55022:1998, EN61000-3-2, ENC61000-3-3
  - Immunity: EN55024: 1998
- RTTE (CE):
  - 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 (pending):
  - RPC
  - DGT