



**I.D. SOLUTIONS**

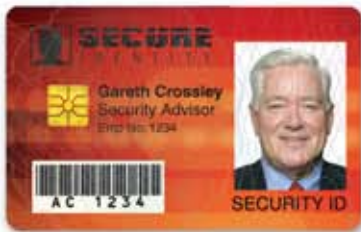


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**DATACARD®**

**RP90 PLUS E CARD PRINTER AND RL90 CARD LAMINATOR**



## HIGH-PERFORMANCE PRINTING FOR HEAVY-DUTY APPLICATIONS

### High-yield, easy-to-load supplies

The RP90 Plus E card printer with RL90 card laminator prints and laminates on any card surface in the landscape configuration to maximize supply yield. This does not affect card design flexibility; you can produce cards in landscape or portrait orientation. Our laminates and topcoats are specifically formulated to maximize the security and durability of cards printed on the RP90 Plus E card printer. The printer is also designed for simple ribbon loading. These ribbons feature Intelligent Supplies Technology™ to provide automated color and image density adjustment, usage tracking and conservation.

Heightened safety and security concerns are driving demand for photo IDs that incorporate smart card technology and unconventional card materials. The Datacard® RP90 Plus E card printer is specifically engineered to help government agencies and other organizations meet these requirements easily and cost-effectively with durable, high-quality cards.

- **Exceptional durability.** The RP90 Plus E card printer prints on retransfer film, which is then applied to the card surface. This innovative technology offers a layer of protection for printed information. It also allows you to print high-quality photo IDs on a wide variety of card surfaces, including heavy-duty, non-PVC material that offers significantly higher durability than traditional cards.
- **Superior versatility.** The RP90 Plus E card printer is ideal for issuing contact, contactless, proximity or dual-interface smart cards. It prints right up to the edge of the smart card chip or directly over embedded chips. Retransfer printing also provides vivid, sharp results with full coverage for conventional photo IDs with magnetic stripes and bar codes.
- **High security.** Enhance security and extend card life with the optional Datacard® RL90 card laminator, which can apply Datacard® DuraGard® laminates and topcoats. The Security Erase feature also helps block out black text on the used YMCK ribbon to protect sensitive data from theft.

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SECURE ID AND CARD PERSONALIZATION SOLUTIONS



The Datacard® RP90 Plus E card printer uses unique re-transfer printing technology to deliver exceptional, full coverage on a wide range of non-PVC cards, including contact and contactless smart cards.

## DATACARD® RP90 PLUS E CARD PRINTER

### Standard Features

#### Print capabilities

- One-sided or two-sided printing
- Over-the-edge full card printing
- Continuous-tone, full-color, or black-and-white photos

#### Printing method

- Dye sublimation re-transfer

#### Connectivity

- USB 2.0 connectivity
- Ethernet 10/100 Base-T bi-directional networking supported on Microsoft® Windows® 2000, XP and Windows Vista® operating system

#### Capacity

- Input hopper: 300 cards, 0.030 in. (0.76 mm)
- Output hopper: 100 cards, 0.030 in. (0.76 mm)

#### Print driver

- Windows 2000, XP and Windows Vista operating systems
- Installation of up to 7 printers per PC

#### Security features

- IPSEC encrypted networking security
- Security Erase of black panel text on YMCK ribbon only

#### User-friendly operation

- Automatic card feed
- Easy access components include quick change ribbon and laminate cassettes
- Exception card slot

#### Warranties

- 12-month standard depot warranty
- 12-month printhead warranty

### Options

- RL90 one-sided laminator for 0.6 mm and 1.0 mm clear and secure laminates (recommended for non-PVC card surfaces only)
- Magnetic stripe (smart card ready for contact smart card application)
- Contact/contactless smart card encoder/reader kit (requires installation)

### Specifications

#### Physical dimensions (RP90 Plus E)

L 13.7 in. x W 13.5 in. x H 15 in.  
(347 mm x 343 mm x 381 mm)

#### Weight (RP90 Plus E)

48.5 lbs. (22 kg)

#### Physical dimensions (RL90)

L 12.74 in. x W 8.15 in. x H 12.13 in.  
(323.6 mm x 207 mm x 308 mm)

#### Weight (RL90)

17.6 lbs. (8 kg)

#### Print resolution

300 dots per inch (dpi)

#### Print speed

Up to 100 four-color, one-sided cards per hour

#### Card types accepted (ISO ID-1/CR-80 size)

3.370 in. x 2.125 in.  
(85.6 mm x 53.98 mm)  
PVC, ABS, PET, PET-G, Polycarbonate

#### Card thickness accepted

0.030 in. (0.76 mm)

#### Operating environment

60° - 86° F (15° - 30° C)  
35 - 70% relative humidity

#### Electrical requirements (dual-voltage, auto-sensing)

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

### Agency approvals and clarifications

- UL
- CE
- CCC
- FCC
- RoHS Compliant

### Supplies

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

- Automatic ribbon identification and validation
- Automatic printer settings and offsets
- Low ribbon warning

#### Ribbons

- YMCK ribbon (1,000 images)
- YMCK-K ribbon (750 cards)

#### Retransfer film

- InTM retransfer film (1,000 images)

#### Topcoats and laminates

- DuraGard® 1.0 mil Clear Laminate (600 images)
- DuraGard® 1.0 mil Secure Laminate (600 images)
- DuraGard® 0.6 mil Clear Laminate (600 images)
- Clear topcoat (1,000 images)
- Secure topcoat (1,000 images)
- DuraGard® 0.6 mil Secure Laminate (600 images)



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Datacard Group sales channels are your exclusive source for Datacard® Certified Supplies. The Datacard® RP90 Plus E card printer requires the use of Datacard® Certified Supplies in order to print and laminate properly.

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