

DATACARD® RP90 PLUS E CARD PRINTER AND RL90 CARD LAMINATOR



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. Our laminates and topcoats are specifically formulated to maximize the security and durability of cards printed on the RP90 Plus E card printer.

High-performance printing for heavy-duty applications

Heightened safety and security concerns are driving demands 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 YMCK ribbon to protect sensitive data from theft.



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.

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
- Reject card slot

Warranties

- 24-month standard depot warranty
- Lifetime 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
Prints up to 100 four-color, one-sided cph
Prints up to 50 four-color, two-sided cph

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
.25 mm to .76 mm
(10 mil to 30 mil)

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)
- YMCK-PO peel-off 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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