

## Multifunctional scanning solutions

Affordable functionality, compact design and operational efficiency

EC9100i series scanners



**RDM**<sup>®</sup>

Transforming Payments

## Check scanning made simple

RDM's new EC9100i<sup>®</sup> series check scanners are the most affordable, compact, and operationally-efficient scanners on the market. These multifunctional scanners enable your business to capture and process a combination of payment types including: checks, remittances, payment cards, loyalty cards and ID cards. They also offer check defacement and endorsement capabilities – all on a single peripheral device.

### Who uses RDM check scanners?

- Financial institutions (teller capture, merchant RDC)
- Financial service centers (check cashers, bill payment agents)
- Healthcare providers
- Property management companies
- Government entities
- Professional offices
- Small retailers

## EC9100i AF and SF series scanners

Whether you are processing batches of checks or remittance payments, RDM's family of EC9100i check scanners offers affordable functionality in an efficient, reliable design.

Single-feed (SF) models offer the essential features for low-volume Remote Deposit Capture (RDC) and are priced to fit your budget.

The auto-feed (AF) scanners are available in 30 or 90 dpm models with a number of value-added options.

### Standard features - SF and AF series

- Single-pass, duplex document imaging
- Collection pocket holds up to 60 xdocuments and maintains document scanning order
- Duplex ID card imager enables high-resolution data capture from driver's license and other IDs
- MICR read rates with better than 99% accuracy means fewer rejected checks
- Franker stamps message on face of checks to reduce fraud and mitigate risk
- USB 2.0 offers fast data transfer to PCs

### Additional standard features for AF series

- 30-document feeder meets the needs of most batch scanning applications
- Endorser applies physical message to rear of checks (*inkjet print cartridge required*)
- 2-port USB hub extends PC connectivity to support peripheral devices such as EMV PIN pad and signature capture pads



*The USB hub allows you to connect any USB device such as an EMV PIN pad or signature capture device (not to scale)*



### Value-added options

- Encryption-capable, 3-track Magnetic Stripe Reader (MSR) extends data capture capabilities and provides added security of sensitive data captured
- Virtual image endorsement applies message to rear image of checks electronically
- OCR A&B font recognition licence that can automate data capture for walk-in bill-payment processing
- Front-mounted, Windows-compatible, 3" thermal receipt printer (*AF series only*)

### Software tools

- The application developers kit (ADK) enables software developers to rapidly integrate RDM check scanners with almost any application.

## Optional 3" thermal receipt printer

Keeping with RDM's tradition of delivering affordable functionality, select models of the EC9100i AF series scanners include a front-mounted, 3" thermal receipt printer. The built-in printer helps de-clutter your workspace by eliminating the need for additional cables and power supplies. Further, the printer operates independently of the scanner so that you can print and scan simultaneously.

### Specifications

- Clamshell paper load
- Windows emulation
- Powered by EC9100i scanner power supply
- Connected to PC through EC9100i scanner USB 2.0
- Paper width 3.125" [80mm] print width of 2.8" [71mm]
- Maximum print speed of 170 mm/sec (6.7"/sec)

## Model details

Physical dimensions	Depth <ul style="list-style-type: none"> <li>Retracted extensions: 9.3" [237mm]</li> <li>Fixed extensions (printer): 12.25" [311mm]</li> </ul>	Width <ul style="list-style-type: none"> <li>Non-MSR units: 6.0" [154mm]</li> <li>MSR units: 6.2" [157mm]</li> </ul>	Height <ul style="list-style-type: none"> <li>Non-printer units: 6.9" [175mm]</li> <li>Printer units: 9.65" [245mm]</li> </ul>
Document feed capacities			
Document size (preferred paper weight: 20 to 32 lb)	Height: <ul style="list-style-type: none"> <li>Minimum: 2" [50.8mm]</li> <li>Maximum: 4" [101.6mm]</li> </ul>	Length: <ul style="list-style-type: none"> <li>Minimum: 4" [101.6mm]</li> <li>Maximum: 9" [228.60mm]</li> </ul>	
Feeder speeds	<ul style="list-style-type: none"> <li>EC9111/12 - single-feed (SF): Single document</li> <li>EC9103/4/7/8 - AF30: Up to 30 dpm batch feed</li> <li>EC9103/4/7/8 - AF90: Up to 90 dpm batch feed</li> </ul>		
Auto feeder capacity	Auto feeder with double-feed detect: Supports batches up to 30 items ( <i>depends on document thickness and condition</i> )		
Document collection pocket	Up to 60 documents ( <i>depends on document thickness and condition</i> ) Maintains the integrity of the order of the original source documents		

## Technical features

MICR reader	E13B or CMC7 MICR Fonts Uses RDM's progressive MICR Method for optimum MICR read accuracy OCR E13B MICR assist
Image capture	Duplex document imaging <ul style="list-style-type: none"> <li>Tiff 6.0 file format</li> <li>100 or 200 DPI</li> <li>Grayscale with JPEG (or no) compression</li> <li>Bi-level with CCITT Group 4 (ITU T.6) (or no) compression</li> </ul>
Image Quality Assurance (IQA)	IQA includes: too light/too dark /skew (bi-level images only)
Magnetic Stripe Reader (MSR) (optional)	3-track, bi-directional, alphanumeric Encryption capable
Identification (ID) card imager	Duplex imager 2.13" [54mm] (V) x 3.39" [86mm] (H) with 200(V)/400(H) DPI resolution
OCR font recognition (optional license)	Under application control Alphanumeric OCR A and B font recognition of OCR code-lines for applications such as bill payment
Franker	Under application control a fixed text message "Electronically Presented" can be stamped on the front of a document, in red ink.
Endorsement printer	Under application control, a single line 1/8" high text message can be printed on the rear of a document
Receipt printer	Thermal printer Paper width 3.125" [80mm] Print width 2.8" [71mm] Maximum print speed of 6.7"/sec [170mm/sec] Paper roll size 3.125" [80mm]
Programmable application button (except EC9111f/91112f)	Under third-party application control, button can be programmed to perform various application functions
Scanner status LED	Integrated with application button provides the unit's status via illuminated LED
Communication ports	High speed USB 2.0 (480 MBits/sec) on all models Built-in 2 port hub ( <i>except EC9111f and EC9112f</i> )

## Environment

Operating temperature	50° to 104°F (10° to 40°C)
Operating humidity	10% to 85% relative humidity (non-condensing)

## Power Rating

Unit input (24VDC)	Non-printer models: 900mA Printer models: 2.5A <i>Note: ratings may be amended as part of CSA safety testing</i>
Power supply input range	100–240V, 50/60 Hz

## Certifications

Certifications	Industry certifications including <ul style="list-style-type: none"> <li>WHQL driver certification (USB Drivers)</li> <li>CSA (Safety) - 60950 Information Technology Equipment</li> <li>FCC (EMI) - FCC Part 15 Class A</li> </ul>
Warranty	2-year standard warranty
Life expectancy	5 years under normal usage

## Software and support

Supported operating systems	Windows XP, Vista (32/64-bit), Windows 7 (32/64-bit), Windows 8 (32/64-bit), Windows 8.1 (32/64-bit)
Development software	RDM EC Scanner Application Development Kit (ADK) includes API components, USB driver, Redistributable Installation Packages and Sample Applications

## Options and accessories

Replacement franker cartridge - "Electronically Presented" red Ink	6000-6065
Replacement HP Inkjet printer cartridge black ink (for endorser)	6000-6060 (HP C6602A)
Paper roll, thermal, 3.125" W x 225' (3.125" maximum diameter)	Industry standard thermal roll paper available from office supply retailers
Replacement power adapter	Non-printer models: 302843 Printer models: 303811
USB 2.0 cable, A to B male, shielded, 2m (black)	6000-6106

## Hardware

EC9100i series scanners

### Compact

- Small all-in-one footprint
- Helps de-clutter your work area

### Multifunctional

- Reduces the requirement for multiple peripheral payment devices
- Self-contained check, remittance, credit card and ID card capture
- Encryption-capable MSR
- 3" thermal receipt printer option
- Supports up to two peripheral devices via built-in USB hub (except EC9111f/EC9112f)

### Efficient

- Designed for use in virtually any payment acceptance environment
- Factory-calibrated units eliminate time-consuming field calibration
- Optimal read rates and premium image quality
- Fast duplex imaging
- Single feed, 30 and 90 dpm models to match your throughput requirements

### Affordable

- Save money – one multifunctional scanner can do it all
- Lowest total cost of ownership in the industry

## Why incorporate RDM check scanners into your payments world?



### Compact

RDM's new EC9100i series scanners are designed to eliminate the clutter and inefficiencies often created by larger check scanners and multiple payment capture devices. These compact scanners fit on your desktop or counter, combining functionality and performance in a small footprint.



### Efficient

The EC9100i features fast, single-pass document imaging using a vertical feed transport – virtually eliminating skewing and jamming. It also incorporates RDM's industry-recognized MICR and check imaging technologies to consistently deliver precise MICR read rates and premium images that are fully compliant with industry standards. Like all RDM check scanners, each unit is factory calibrated before shipping, eliminating the need for time-consuming field calibration and simplifying the deployment process.



### Multifunctional

Do away with multiple devices for processing payments. With several models and options to choose from, RDM's EC9100i series scanners enable you to process any combination of checks, remittances, credit cards, ID cards and receipt printing on a single peripheral device. Most EC9100i scanners have a 2-port USB hub which allows connectivity to a range of peripherals including EMV pinpad and signature capture devices. RDM's scanners are also certified with, and connect easily to, many PC-based payment applications.



### Affordable

Like all RDM check scanners, the EC9100i series has one of the longest lifespans and lowest costs of ownership in the industry. The low-cost, high-capacity franking cartridge helps to minimize your consumables expenses. You'll also experience reduced maintenance, support and training costs when compared to using multiple devices.



### About RDM Corporation

RDM Corporation provides large financial institutions with Remote Deposit Capture (RDC) solutions designed to help their clients simplify the way they do business. RDM processes over \$600 billion in payments annually and helps financial institutions increase revenue, expand market share and improve customer service for over 80,000 end-users.

Four of the top ten financial institutions in the United States use RDM's payment processing solutions. RDM serves 31 percent of the top 100 Fortune 500 companies including brokerage firms, big-box retailers, healthcare and insurance providers, and government entities. Working with clients for over 25 years, RDM provides both software and hardware solutions including web-based and mobile RDC, and manufactures a wide range of digital imaging scanners. For more information, visit [www.rdmcorp.com](http://www.rdmcorp.com).

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