



## RDM's Digital Imaging Solution | EC6000i® Gen2 Series

**ACCURATE.  
FEATURE-RICH.  
ROBUST.  
COST-EFFECTIVE.**



### Product Overview

With its small footprint, connectivity to the most popular POS terminals, and industry leading MICR and image technology, the EC6000i® Gen2 series is setting the standard for small document imaging for check electronification, check cashing and walk-in bill payments processing.

The EC6000i Gen2 series scanners feature a standard USB port, in addition to a wide variety of optional features such as Franking Acknowledgment printer, internal alphanumeric OCR A and B character recognition, OCR E13B MICR Assist, 3-track bi-directional Magnetic Stripe Reader (MSR), and 10BaseT Ethernet connectivity, positioning it as one of the most versatile and reliable products in the marketplace.

Utilizing RDM's Progressive MICR Method, the Gen2 series of imagers deliver the industry's highest MICR read accuracy which results in lower administrative returns due to MICR misreads and rejects. In addition to RDM's industry leading "single pass" Progressive MICR Method, the optional OCR E13B MICR Assist feature

can be enabled to provide maximum recognition, performance and accuracy to virtually a 100% read rate.

The EC6000i Gen2 series also captures crisp, clear binary images exceeding the industry's requirements for legible images.

As an optional feature, the Franking Acknowledgment printer prints a fixed text message on the front face of the check facilitating the requirement for check defacement in one simple process, increasing efficiency, which is vital in the point-of-purchase (POP) environment.

Under application control, the bi-directional document drive in the EC6000i Gen2 Series can be paused to hold documents pending an authorization decision. For approved transactions, checks are returned to the user "face down" through the exit slot. Transactions that are denied cause the check to be returned to the user "face up" from the entry slot.

### Key Features

- ▶ Standard USB connectivity provides flexible connection to PC-based applications
- ▶ Delivers the industry's highest MICR read accuracy using RDM's patented Progressive MICR Method
- ▶ Optional OCR E13B MICR Assist offers maximum recognition accuracy to virtually 100% MICR read rate
- ▶ Facilitates the requirement for check defacement in one simple process with its optional franking acknowledgment printer
- ▶ Optional internal alphanumeric OCR A & B font recognition makes it the ideal solution for bill payment applications
- ▶ Accommodates any payments environment or application with its optional bi-directional Magnetic Stripe Reader, and optional 10BaseT Ethernet connectivity
- ▶ Available Developer's Kit provides software developers a robust toolkit for rapid integration with their applications



## Product Specifications

### Internal Image Storage (memory)

Standard memory capacity approximately 250 images\*

Optional memory capacity approximately 650 images\*

\* Based on 10kb size

### Image

- CCITT Group 4 compression (ITU T.6) of bi-level image
- TIFF 6.0 file format. MICR line with transaction information included in header description tags of check image. OCR line with transaction information included in header description tags of bill stub. Image size varies according to document, typically 10kb or less
- High quality binary (b&w) 200 dpi nominal

### Document

Minimum: 1.75" W x 4.4" L (4.5 cm x 11.2 cm)

Maximum: 4" W x 9" L (11.16 cm x 22.86 cm)

Paper weight: 8lb to 100lb (thermal paper to business card stock)

### Microprocessor

Renesas (Hitachi) SH-3 32-bit RISC 133 Mhz

### Communication Ports

Power: Mini-Din 4-pin

USB: Type-A connector (V1.1)

AUX: Mini-Din 8-pin

COM: Mini-DIN 9-pin

TEL/Ethernet: RJ11 for optional modem; RJ45 for optional Ethernet

### Magnetic Read

E13B MICR character set. Uses RDM's Progressive MICR Method for optimum MICR read accuracy

### Bi-directional Check Drive

Bi-directional document drive can be paused under application control to hold a check pending an authorization decision, and provide visual disposition of the decision by returning the check to the user via the entry or the exit slot

### Software

Developer's Kit includes: Application Developer's Kit (ADK) for Windows, Sample Application SAXCo and Serial Interface Kit

### Physical Dimensions

Std model: max. 8.75" L x 6.1" W x 4.5" H

MSR model: max. 8.75" L x 6.1" W x 5.25" H

### Power

Power Consumption: 12 W (normal operation)

Input Voltage: 24V DC, .5A

Power Supply: Separate Wall Adapter (115 VAC)

### Environment

Temperature (Operating): 32 to 104 Degrees F

## Options

### Modem

33.6Kb internal modem with data compression and error correction

### Ethernet

Optional 10BaseT connectivity

### Franking Acknowledgement Printer

Under application control a fixed text message is stamped on the face of the check (1 Line "Electronically Presented" Red). Customizable text message on franking stamp at time of order

### Magnetic Stripe Reader (MSR)

3-track, bi-directional, alphanumeric

### OCR E13B MICR Assist

When activated under application control, optical read of E13B MICR characters acts as a backup to the magnetic read enhancing MICR read

### OCR Font Recognition

Alphanumeric OCR A and B font recognition, internal to scanner enables automatic recognition of OCR code-lines for applications such as bill payment

### Stacker for EC6000i Series & Card Terminal



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