



RDM's Digital Imaging Solution | EC6000i® Gen2 Series

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



Product Overview

The RDM EC6000i® Gen2 Series set the standard for small documents imaging for check electronification, check cashing and walk-in bill payments processing with the industry's leading MICR E13B and imaging technology, small footprint, internal image storage and connectivity to most popular POS terminals.

The EC6000i Gen2 series scanners feature a USB 2.0 full speed (12MB/sec) 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 and 3-track bi-directional Magnetic Stripe Reader (MSR) 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

- ▶ USB 2.0 full speed (12MB/sec) connectivity provides flexible connection to PC-based applications
- ▶ Delivers the industry's highest E13B and CMC7 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
- ▶ 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 300 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 (black & white) 200 dpi nominal

Document Size

Minimum: 2.17" W x 4.4" L

Maximum: 4" W x 9" L

Microprocessor

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

Communication Ports

Power: 3 Pin (24VDC)

USB: Type-A connector (USB 2.0 full speed 12Mbits/sec)

AUX: Mini-DIN 8-pin (RS232)

COM: Mini-DIN 9-pin (RS232)

TEL: RJ11 (33.600bps Modem)

Magnetic Read

E13B & CMC7 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

Standard 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

Input: 24V DC 900 mA

Power Supply: 100 – 240V 50-60 Hz

Environment

Temperature (Operating): 32 to 104 Degrees F

Options

Modem

33.6Kb internal modem with data compression and error correction

Franking Acknowledgement Printer

Under application control a fixed text message is stamped on the face of the check (1 Line "Electronically Presented" Red).

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

