RDM®

TWO-SIDED.
LOW-COST.
FEATURE-RICH.
ROBUST.

Product Overview

The EC7000i® Series is a feature rich, low cost, two sided single item check scanner. Based on RDM's EC6000i® Series with its small footprint, connectivity to the most popular POS terminals, and industry leading MICR and image technology, the EC7000i Series provides a low cost, two-sided imaging solution for merchants and low volume billers who want to take advantage of the opportunities presented by Check 21.

The EC7000i 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 EC7000i 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 100% read rate.
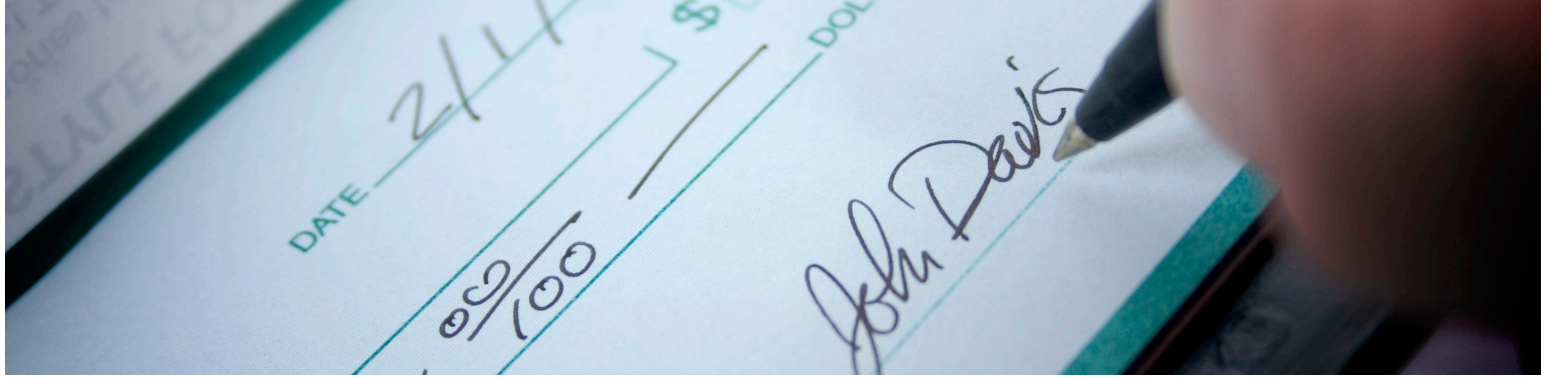
The EC7000i Series also captures crisp, clear binary images exceeding the industry's requirements for legible images.

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 EC7000i 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 exit slot.

Key Features

▸▸ Includes all of the industry leading features of RDM's EC6000i Series

▸▸ Captures a high-quality two-sided binary image of the check in seconds

▸▸ Reads E13B & CMC7 MICR character sets

▸▸ Lowest cost two-sided imager in the industry

▸▸ Optional Franking Acknowledgement Printer

▸▸ Utilizes RDM's patented Progressive MICR Method delivering the highest MICR read rate in the industry

▸▸ Optional bi-directional Magnetic Stripe Reader (MSR)

▸▸ USB 2.0 full speed (12MB/sec) connectivity provides flexible connection to PC-based applications

▸▸ Standard 2-year manufacturer warranty

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)
Ethernet: (Not Functional)

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 exit slot face up if approved or face down if denied

Software

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

Physical

Standard model: max. 8.75" L x 5.9" W x 4.8" H
MSR model: max. 8.75" L x 5.9" W x 5.3" H

Power

Input: 24V DC 900 mA
Power Supply: 100 – 240V 50-60 Hz

Environment

Temperature (Operating): 32 to 104 Degrees F
Humidity (Operating): 10 to 85% relative humidity (non-condensing)

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" in 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 EC7000i Series & Card Terminal

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