



CR 1000i

Sophisticated **CHECK CONVERSION**
and **IMAGING** that provides superior
FLEXIBILITY, efficiency and **ACCURACY**

The **VeriFone CR 1000i** check and document reader offers multi-lane retailers an easy and efficient way to take advantage of the wide-ranging benefits of check conversion and check imaging at the point of sale (POS). With the CR 1000i, you can quickly and conveniently convert paper checks into secure electronic documents—greatly reducing your cost of handling, processing and collecting checks.

Flexibility to fit into your existing environment

The VeriFone CR 1000i can be cost-effectively integrated into virtually any retail environment. The device's optional dual interface is designed to connect to an electronic cash register (ECR) and to your store's Ethernet network, for efficient back-end processing. This makes it a snap to use the CR 1000i as a drop-in replacement for an existing MICR-only check reader in a legacy POS environment—with less cost and complexity than other check conversion alternatives.

Single-step check reading and image compression

With the CR 1000i, check conversion and imaging are accomplished in a single step. The clerk simply feeds a check into the device, where a contact image sensor captures a 300-dot-per-inch (dpi) black-and-white image

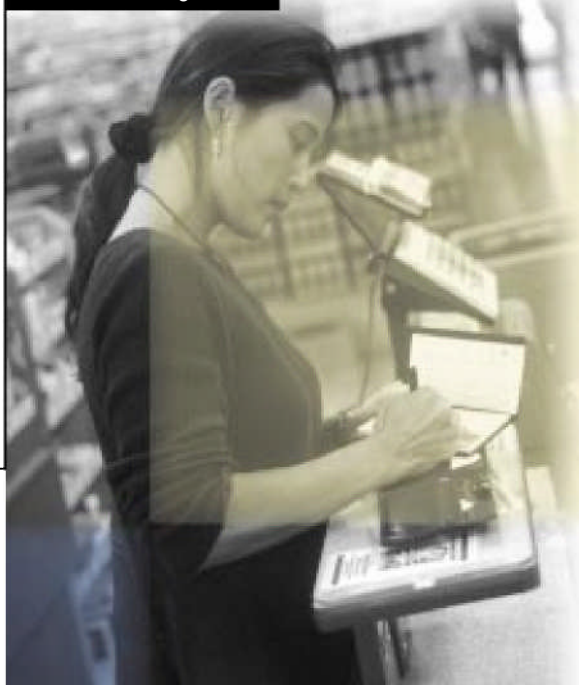
Dramatic **reduction** in the cost of handling, processing and collecting checks

Flexibility to fit into any POS environment

Superior **accuracy** and **intelligent imaging** capabilities in a **single step**

Compact, stylish design that optimizes counter space

Benefits at a glance



CR 1000i

of the key elements of the check, including name and address, bank information and signature line. The CR1000i can be programmed to read the MICR line once—or twice for improved accuracy. Within seconds, an ECR-generated authorization slip is ready for the customer's signature.

Once the device has captured the needed information, all other check-related tasks—such as sorting, Proof of Deposit (POD) and bank processing—are handled electronically. This can significantly lower your bank deposit charges, month after month.

The CR 1000i uses three different intelligent imaging algorithms to reduce the size of the check image data. These capabilities eliminate unnecessary background images, target the key quadrants of the check, and then apply industry-standard compression techniques to make the data easier to store and transmit.

The right solution—today and tomorrow

The compact, stylish design of the CR 1000i check and document reader requires minimal counter space, so it adapts to any environment. System updates can be downloaded remotely, to protect your investment over time. In addition, the CR 1000i benefits from the unmatched technology, reliability and application expertise of VeriFone—the leader in e-payment.

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Specifications

Hardware

Microprocessor	Motorola 68302, 16-bit CPU
Memory	2 Mbytes of Flash RAM (configurable) 1 Mbyte of SRAM
Contact Image Sensor	300 dpi, black and white
Ports	2 serial RJ-45 ports for ECR tailgate (including 12VDC power in) and/or RS-232 port with handshaking 1 USB (including 12VDC power in) 1 10Base-T Ethernet (optional)
E13B Magnetic Ink Character Recognition (MICR) Reader	Capable of 1- or 2-pass reads
2-Color Status LED	

Software

Configurator Utility	Allows easy, Windows-based creation of configuration parameters
Generic, Embedded Application	Allows configuration parameters to be downloaded at the point of manufacture or deployment, or in real time in the field

Physical

Height	3.00 in (76.2 mm)
Width	5.25 in (133.4 mm)
Depth	7.50 in (190.5 mm)
Shipping Weight	3.5 lbs (1.6 kg)

Power Requirements

Voltage	12VDC
Amperage	1A

Environmental

Operating Temperature	41° to 104° F (5° to 40° C)
Operating Humidity	15% to 95%, non-condensing

Features and Benefits

- Simplifies and streamlines the check conversion process, providing significant cost savings compared with manual handling of paper checks
- Easily integrates with leading electronic cash registers or multi-lane payment terminals
- Optional dual interface allows direct connection to Ethernet-based local area network for back-end processing of check image data
- Uses a contact image sensor to create high-resolution, 300-dpi black-and-white images of checks
- Takes advantage of a sophisticated, two-pass algorithm to increase the accuracy of MICR-encoded information, in a single step
- Employs advanced imaging techniques to minimize file sizes for efficient storage and transmission—stores up to 200 checks in memory before transmission to bank or clearing organization
- Incorporates Flash memory and battery-backed RAM to handle remote downloads of firmware updates
- Provides the assurance of VeriFone's reputation for quality, reliability and innovation