CR 1000*i*

REDUCE THE COSTS of handling checks with advanced CHECK IMAGING technology

The VeriFone CR 1000*i* check and document reader offers merchants an easy and efficient way to take advantage of the benefits of check conversion and check imaging at the point of sale (POS). Paper checks are quickly and conveniently converted into secure electronic documents — greatly reducing the costs associated with handling, storing, processing, and collecting checks.

The CR 1000*i* offers ISOs a greater opportunity to generate incremental hardware sales as well as ongoing revenues from the check conversion services it supports.

And, best of all, the CR 1000*i* is backed by the unmatched technology, reliability and application expertise of VeriFone, making it the smart solution for any countertop.

Flexibility to fit existing environments

The VeriFone CR 1000*i* fits in virtually any retail environment. It integrates with the payment application to extend check conversion support to the POS. A separate fast modem handles the batching of large image files, reducing the time and cost of submission. What's more, the unique flat-bed feed mechanism, combined with a simple stand permits over/under mounting with existing payment terminals, providing the smallest check imaging footprint in the industry — freeing up valuable counter space.

Single-step check reading and image compression

With the CR 1000*i*, 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 of the key elements of the check, including name and address, bank information and signature line.

Once the device has captured the needed information, the CR 1000*i* uses intelligent imaging algorithms to reduce the size of the check image data, optimizing the record size for storage and transmission. Transferring images to the host archive is a snap via the internal 56-Kbps modem, which can be set to automatically transmit images at a prescribed time each day.

Benefits at a glance

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

Flexibility to fit into any POS environment

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

Compact, stylish design that optimizes counter space

The CR 1000i is shown in its new mounting system with the Omni 3200.

VeriFone.

CR 1000*i*

Features and Benefits

- Simplifies and streamlines the check conversion process, providing significant cost savings compared with manual handling of paper checks.
- Fully compatible with VeriFone Omni 3200, Omni 3300 and Omni 3750 terminals in a dial-up environment.
- Reduces phone costs and time associated with uploading images to host by employing an industry-leading 56-Kbps internal modem.
- Flat-bed design in over/under terminal mount provides smallest combined footprint in the industry.
- Uses a contact image sensor to create high-resolution, 300-dpi black-and-white images of checks.
- Optional "Reduced Quality Mode" cuts image file sizes in half while maintaining highly legible and crisp images.
- Takes advantage of a sophisticated, bi-directional two-pass algorithm to increase the accuracy of MICR-encoded information, in a single step.
- Advanced imaging technology minimizes file sizes for efficient storage and transmission—stores 200 to 400 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.

Specifications

Hardware

Microprocessor	Motorola 68302, 16-bit CPU
Memory	2 Mbytes of Flash RAM 1.25 Mbyte of SRAM
Contact Image Sensor	300 dpi, black and white
Connectivity Options	*Stand Alone Option* 1 serial RJ-45 port for RS-232 with handshaking 1 serial RJ-45 port for ECR tailgate (with 12VDC power in) and/or RS-232 port with handshaking 1 56-Kbps V.90 internal modem *Multi-Lane Option* 1 serial RJ-45 port for RS-232 with handshaking 1 serial RJ-45 port for ECR tailgate (with 12VDC power in) or for RS-232 with handshaking 1 USB including 12VDC power in 1 10Base-T Ethernet
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

Option(s)

Mounting Stand compatible with VeriFone Omni® terminals

CR 1000i stand-alone

CR 1000i multi-lane option