MULTI–FUNCTIONAL CARD READER/WRITERS OFFER A SMARTER CHOICE FOR BUSINESS

The versatile SC 550™ and SC 552™ Smart Card Reader/Writers support a wide range of smart card applications and magnetic-stripe card applications in one compact, countertop unit.

The SC 550 and SC 552 give you the combined functionality of a smart card reader/writer and a magnetic-stripe card reader in a compact, cost-effective product. They let you support multiple payment programs and value-added services in one convenient unit, reducing clutter at the checkout stand.

An extension of VeriFone's SC family of world-class products, the SC 550 and SC 552 support memory and microprocessor smart cards as well as magnetic-stripe cards—including credit and debit cards—in the same application. The SC 552 also has a second smart card reader that supports retailer chip cards for added data storage or for removable/upgradeable security modules. And, like other VeriFone® smart card products, the SC 550 and SC 552 comply with joint specifications from Europay, MasterCard and Visa for smart card support.

The SC 550 and SC 552 Smart Card Reader/Writers support smart cards and magnetic-stripe cards. The SC 552 has a second smart card reader that supports retailer cards and removable security modules. (The retailer card inserts completely into the SC 552 reader for added security and protection.)

SUPPORTS A WEALTH OF NEW SERVICES

With the SC 550 and the SC 552, you can deliver new programs and services that benefit your business today and tomorrow. Programs like electronic purse, which offers a new payment option, or electronic benefits transfer (EBT) for the delivery of government entitlements. Or customer loyalty and frequent shopper programs that reward repeat business and encourage larger transactions.
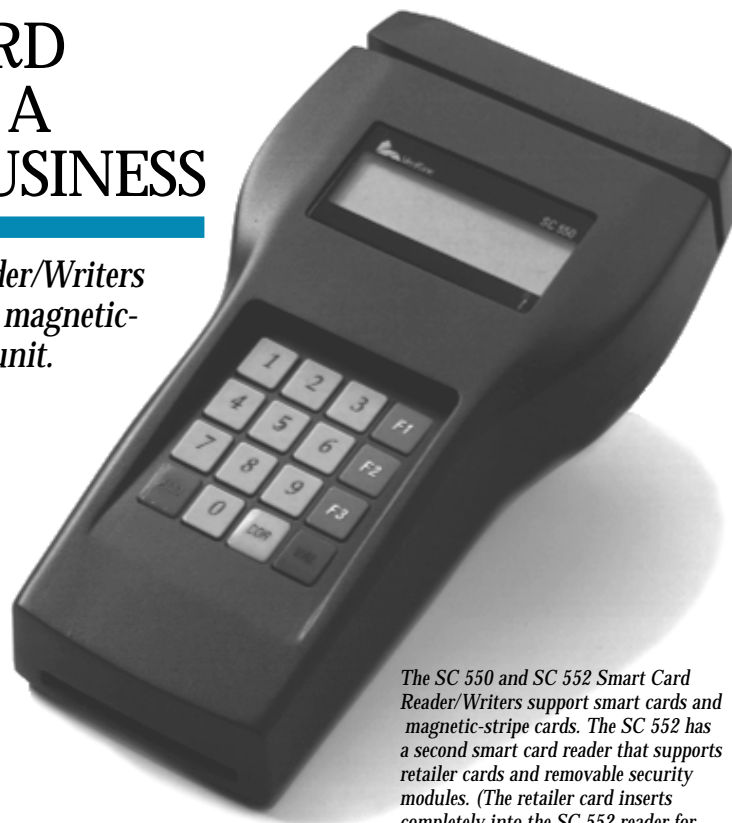
PHYSICALLY AND ELECTRONICALLY SECURE

The SC 550 and SC 552 provide the level of security you need. They can give you basic protection or, through a selection of optional hardware and software features, meet the most stringent requirements for high physical and electrical security.

The units have an integral security module, with a custom-designed encryption chip, that offers simultaneous support for encryption and key management functions. The module works with DES and RSA encryption plus Master/Session Key, DUKPT (derived unique key per transaction) and regional key management methods. Durable, tamper-resistant plastic casings further safeguard the systems against incursion. And optional, built-in detection features can sense sophisticated attempts at physical or electronic tampering. Any unauthorized attempt to access the security module results in the immediate and automatic erasure of the secret data stored in the chip.

OPTIONAL GRAPHICS DISPLAY

The SC 550 and SC 552 offer an optional graphics display that supports a variety of graphic character sets including those used in Japanese, Chinese, Arabic and Cyrillic-based languages. The display can be configured to show two lines of Chinese prompts, two lines of large characters or up to four lines of roman text. It can even display two languages simultaneously, such as French and English, for use in multilingual markets.

SUPPORTS CUSTOM APPLICATION DEVELOPMENT AND REMOTE DOWNLOADING

VeriFone's SC family of products shares a common development environment, which means you can port applications written for the SC 450™ or SC 455™ Smart Card Reader/Writers to the higher functionality SC 550 and SC 552. Using industry-standard C language, developers also can create new applications, then download them to the SC 550 or SC 552 either directly or remotely, through VeriFone's ZONTALK 2000™ software.

The SC 550 and SC 552 give you the flexibility you need to upgrade your system capabilities and add new programs and services. These versatile products let your business change with the times, growing to meet new business needs and increased customer requirements.

VeriFone®
THE TRANSACTION AUTOMATION COMPANY

SC 550/552

FEATURES

■ Supports memory/microprocessor smart cards and magnetic-stripe cards in the same application

■ Supports a second, fully inserted smart card (SC 552 only)

■ Offers comprehensive software security and tamper-proof casing

■ Supports an optional graphics display and multiple character sets, including Chinese, Cyrillic and Arabic

■ Offers simultaneous support for multiple key management functions

■ Complies with ANSI and ISO global standards

■ Meets joint specifications from Europay, MasterCard and Visa for smart card support

■ Performs as a PIN pad in online and offline debit transactions (with security module)

■ Supports industry-standard asynchronous microprocessor chip cards and synchronous memory cards

■ Supports VeriFone MKIXOR™ software for key injection

■ Works with PCs, ECRs and VeriFone terminals as well as with other manufacturers' equipment

SPECIFICATIONS

HARDWARE

Display	2-line x 16-character LCD
	Option: 120 x 32 dot matrix graphic display
Keypad	16 keys (with 4 programmable function keys)
Memory	32 Kbyte or 128 Kbyte RAM
Magnetic-Stripe Card Reader	Track 1 and 2 or Track 2 and 3

HOST INTERFACE

Asynchronous serial (7/8 data bits, even/no parity)

Baud rate of 300–19,200 baud supported

Compatible with V.24/RS-232 signal levels

SMART CARD INTERFACE

All asynchronous microprocessor cards conforming to ISO 7816-1, -2, -3

Synchronous memory and protected-memory cards conforming to ISO 7816-1, -2

SECURITY MODULE

DES, Master/Session Key and DUKPT key management operations performed by the security chip

Keys stored in security chip

Communications between keyboard, display and security module safeguarded

PHYSICAL

Height	50 mm (2.0 in)
Width	110 mm (4.3 in)
Depth	200 mm (7.9 in)
Shipping Weight	0.7 kg (1.5 lb)

ENVIRONMENTAL

Operating Temperature	0° to 40° C (32° to 104° F)
Operating Humidity	15% to 90% non-condensing
Storage Temperature	-18° to 66° C (0° to 138° F)

POWER

7.5–15 volts DC

230 mA (maximum consumption)

World-class VeriFone products, the SC 550 and SC 552 support both smart cards and magnetic-stripe cards in the same application. The smart card reader/writers also offer a choice in security features plus an optional graphics display. And they work with ECRs, PCs and VeriFone terminals as well as with other transaction equipment. (Shown at the right, the SC 550 Smart Card Reader/Writer with the VeriFone TRANZ® 460 system and the SC 552 with the VeriFone OMNI™ 395 system and the PRINTER 900.)

VeriFone®

THE TRANSACTION AUTOMATION COMPANY