



# OMNI 470

An Integrated Credit And Debit Card System  
For All Your Payment Needs.

Performing the functions of three individual units—a terminal, a printer and a PIN pad—the OMNI® 470 transaction system gets a variety of jobs done without wasting space. With up to 1 Mbyte of RAM, the OMNI 470 can handle everything from the most simple to the most complex transactions. Its integrated one-unit configuration simplifies deployment, and its slick ergonomic design makes it easy to use for both merchants and their customers.

When the time comes, the OMNI 470 is an excellent choice for your current TRANZ® customers to upgrade to the more feature-rich OMNI system family.

## Secure Debit Transactions

With the OMNI 470, your merchants can easily add the capability to handle debit (ATM) card transactions—and start reaping the benefits of this popular payment method.

The OMNI 470 provides for debit card transactions via its integrated PIN pad. It safeguards encrypted data through Master/Session and DUKPT (derived unique key per transaction) key management methods. And it supports MAC (message authentication code), which protects transaction data against disclosure. With its optional security shield, the OMNI 470 also protects a user's privacy when entering a personal ID number.

## High-Quality Thermal Printing

Taking advantage of the latest thermal printing technology, the whisper-quiet OMNI 470 printer provides highly legible receipts automatically at the completion of a transaction. Its receipts are more readable than those produced by an impact printer, and they have a long shelf life—up to five years. What's more, thermal printing is ribbonless, so there's one less expense for your customers to worry about.

The OMNI 470 also uses an advanced logic-seeking print mechanism, which results in faster, more efficient printing.

## Faster Transactions, More Efficient Communications

Through its quick 2400 bps modem, the OMNI 470 optimizes transaction time. It speeds downloads for applications and negative card files, and it shortens the time it takes to upload batches to the host.

## Greater Network Flexibility

The OMNI 470 supports both asynchronous and synchronous networks, communicating directly with a range of transaction processors.

## Easy Application Development

The OMNI 470 runs the VeriFone® TXO® operating environment, which allows programmers to easily tailor merchant applications using industry-standard C language. TXO comes with a set of precoded modules that simplify the programming process—resulting in shorter design times, more robust applications and less testing.

## Easy To Upgrade

The OMNI 470 makes downloading fast and easy. It can accept full or partial downloads—on-site or remotely over phone lines—and it lets you perform direct application upgrades from another terminal or a PC. With its optional Flash EPROM, the OMNI 470 will even let you upgrade your operating system electronically. So you can quickly make firmware changes without having to replace chips.

# OMNI 470

## Features

- Accepts all major debit, credit and private-label cards
- Includes a highly secure internal PIN pad that allows customers to enter their own PINs for debit card transactions
- Supports an external smart card reader/writer
- Automatically prints a high-quality thermal receipt at the end of a transaction
- Available with a 2400 bps modem for faster communications with the host and faster downloads
- Simplifies the creation and updating of application programs through industry-standard C language
- Operates in synchronous and asynchronous networks for maximum communications flexibility and efficiency
- Saves space through its integrated design
- Simplifies deployment, with one unit taking the place of three

## Specifications

### Hardware

Microprocessor	Z180 CPU
Memory	128 Kbytes of EPROM (Optional 128 Kbytes of Flash EPROM) 256 Kbytes or optional 512 Kbytes or 1 Mbyte of RAM
Modem	300/1200 or 300/1200/2400 bps
Internal PIN Pad	Supports Master/Session, DUKPT and MAC
Card Reader	Bidirectional, supports a Track 1 and Track 2 or a Track 2 and Track 3 reader
Peripheral Ports	RS-232 serial port for connection to a check reader, personal computer or electronic cash register Serial port for an external PIN pad, smart card reader or bar code wand
Printer	32-column format Logic-seeking print mechanism 63 characters per second Mechanical reliability: 2.2 million lines (MCBF) Bidirectional printing

### Physical

Height	3.2 in (82 mm)
Width	5.3 in (135 mm)
Length	11.2 in (285 mm)
Shipping Weight	2.2 lbs (1.0 kg)

### Environmental

Operating Temperature	32° to 104° F (0° to 40° C)
Operating Humidity	15% to 90%, non-condensing

### Power

Voltage	95 to 130 VAC, 60 Hz $\pm$ 1Hz 194/260 VAC, 50 Hz $\pm$ 1 Hz
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