



Omni 3700 Family

The VeriFone Omni 3700 family of terminals puts unprecedented power, performance, and flexibility into the palm of your hand. Sleek and stylish, the flagship Omni 3750 model packs all the features and functions merchants could want into a single, stand-alone terminal—from smart card capabilities and EMV certification, to secure support for multiple payment and value-added applications. What's more, you can choose from an array of field-replaceable communications modules, including up to 14.4 kbps dial-up, ISDN, or Ethernet—for easy access to any IP-based network.

Modular design for unbeatable flexibility and investment protection

Exceptional **32-bit performance** for the most demanding transactions, including **EMV smart card**

Secure support for **multiple payment and value-added** applications

VeriFone's well-deserved reputation for **quality and reliability**

Unique **MODULAR** payment terminals that deliver extraordinary **PERFORMANCE**, **EMV**, and secure **MULTI-APPLICATION** support

The modular difference

In today's business world, change is a constant. Technologies that were once leading edge become obsolete. Standards are continually revised or replaced. That's why it's critical to invest in payment terminals that efficiently adapt to change.

Omni 3700 terminals offer a user-friendly ATM-style interface, large display, integrated PINpad, and critical security protections in a remarkably compact, "hand-over" design. Then, by adding built-in modularity to three base models, the family of terminals easily adjusts to merchants' changing requirements.

Benefits at a glance



Omni 3700 Family

The Payment People

There are a lot of pretenders in the payment business today. But only one company has been in electronic payment since it began: VeriFone.

We virtually invented the payment industry. Since 1981, we've sold over 11 million terminals worldwide—more than twice that of our nearest competitor. Customers call on us for three reasons:

- Extraordinary quality—Thousands of our terminals have been in use for 10 years or more, longer than most other payment vendors have been in business.
- Unsurpassed knowledge and industry expertise—Our skilled engineers have years of experience developing and deploying solutions for the widest selection of vertical markets.
- Commitment to innovation—VeriFone will continue to lead the way in product and solution breakthroughs.

That's why no one else can say what we can—we *are* The Payment People.

All three Omni 3700 models offer a variety of memory options to meet specific needs and budget requirements. In addition, you get your choice of field-upgradeable Security Access Modules (SAMs) for smart card applications, and factory- or field-installed communications modules. New modules are planned to support other communications technologies as they emerge, so your investment is effectively “future-proof”. Only VeriFone offers the modular difference.

Outstanding application performance

The Omni 3700 family features powerful 32-bit processing and multi-tasking to handle the most complex transactions, while speeding customers through line. With VeriFone's proven Verix multi-application architecture and up to 4MBytes of memory, the terminals securely run both payment and value-added applications.

The Omni 3720 and Omni 3750 are ideal for the most demanding chip card transactions, including EMV-required Dynamic Data Authentication (DDA). The terminals have earned Level 1 and Level 2 Type certification under the most recent EMV specifications, providing access to a world of global smart card solutions.

An advanced security architecture incorporates the latest triple DES (3DES) encryption with DUKPT or Master/Session key management, and is PED-certified for PIN-based transactions.

Support for value-added applications

Payment at the point of sale is just the beginning today. A growing list of value-added applications provides new sources of revenue and relationship-building opportunities for payment service providers and merchants alike—turning the point of sale into a point of profit.

Interested in gift card, pre-paid telco, or electronic check applications? Targeting applications to the government or health care sectors? The Omni 3700 family of terminals provides all the power and memory capacity you'll need for a broad spectrum of profitable solutions. Plus, hardware- and software-based application separation keeps each application discrete—safeguarding data and minimizing the need for recertification.

The benefits of advanced communications

In addition to dial-up communications using 2400 bps and 14.4 kbps modems or ISDN, the Omni 3700 family offers an Ethernet communications module that delivers a variety of advantages—without the need for proprietary infrastructures.

- Enjoy super-fast, “always-on” service—With a continually connected high-speed service such as DSL, broadband cable, or T1/T3 lines, transaction times average 2–4 seconds. And no time is lost waiting for dial-up connections.
- Lower communications costs—Your merchants can run voice and data over a single broadband connection, and support multiple terminals in a store with the same service—eliminating the cost of separate dial-up lines for each device.



Advanced communications module supports dial, ethernet, or ISDN connectivity.

- Access new services or information online—With VeriFone's exclusive micro-browser technology and full support for SSL standards, the Omni 3750 becomes a secure on-ramp to new services and information sources—using the same technology designed for cell phones and PDAs.
- Simplify support requirements and reduce costs—Save time and money with faster application downloads. Streamline system upgrades and minimize help desk time. Improve terminal management and two-way messaging through the use of standard browsers and protocols. Support cross-border acquiring without expensive infrastructure investments.

Simple to learn and use

The Omni 3750 is a small miracle—combining magnetic stripe and smart card readers, PINpad, and graphics-capable thermal printer into a device with an amazingly small footprint. The ergonomic design not only saves precious counter space, but also can be easily handed over to customers for PIN input.

Like all VeriFone terminals, the Omni 3700 family requires little training—saving hours of handholding and help desk time. The familiar interface puts needed functions at clerks' fingertips. Lastly, the “clam shell” printer features trouble-free, “drop-in” paper loading to virtually eliminate paper jams.



A “clam shell” printer facilitates drop-in loading, virtually eliminating paper jams.

Want EMV-certified smart card capabilities, but don't need an integrated printer?

*The **Omni 3720** is your best buy.*



Need a quiet, lightning-quick thermal printer, but not an integrated smart card reader?
*Choose the **Omni 3740**.*

Prefer a complete package with full EMV smart card and printing capabilities?

*The **Omni 3750** is the terminal for you.*



Omni 3700 Family Terminals

Features and benefits

The flexibility you need

- Factory-installed or field-replaceable communications modules “future-proof” your investment.
- Memory configurations range from 1.5 to 4 MBytes.
- Advanced communications module supports 2400 bps or 14.4 kbps dial modems, or provides access to IP-based LAN or WAN networks.
- Omni 3700 terminals are EMVCo Level 1 and Level 2 Type Approved under the most recent EMV specifications.
- Optional, field-upgradeable SAMs (2 or 4) support multiple smart card schemes and protect data.
- Customizable faceplates offer a variety of branding options and colors.
- Optional privacy shield and swivel stand.

The performance merchants want

- 32-bit processing and multi-tasking streamline even the most complex transactions, including EMV-based smart card.
- Verix architecture with large memory configurations and dynamic memory management supports multiple payment and value-added applications.
- Exceptional graphics-handling by display and printer quickly renders logos, graphical fonts, and character-based languages.
- Integrated PINpad offers added convenience for debit and other PIN-based applications.

Outstanding convenience and security

- Compact, all-in-one design preserves counter space and reduces clutter.
- Lightweight, highly ergonomic device is ideal for handing to customers when a PIN or other input is required.
- Intuitive ATM-style interface, 8 x 21 backlit display with split-screen capabilities and large keys reduce clerk training and help desk calls.
- Integrated, high-speed thermal printer features “clam shell” design for “drop-in” paper loading and virtually no paper jams.
- Triple-track, high-coercivity card reader is included at no extra charge.
- Hardware- and software-based application separation eliminates recertification when adding or modifying software.
- VeriShield security architecture supports sophisticated file authentication, including Master/Session and DUKPT key-management. All devices are also PED-certified for PIN-based transactions and support the latest 3DES encryption algorithms.



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Specifications

Processor

32-bit microprocessor

Memory Options

1.5, 3, or 4 MBytes

Display

128 x 64 pixel LCD with backlighting; supports 8 lines x 21 characters, including graphics

Magnetic Card Reader

Triple track (tracks 1, 2, 3), high coercivity, bi-directional

Primary Smart Card

ISO 7816, 3V, or 5V synchronous and asynchronous cards (Omni 3720 and 3750); EMV-certified

SAM Card Reader

2 or 4 SAMs optional (*Omni 3720 and 3750*)

Keypad

3 x 4 numeric keypad, plus 8 soft-function keys and 4 screen-addressable keys

Peripheral Ports

Two RS-232 ports and 1 telco port support peripherals

Printer

Integrated thermal printer with graphics capabilities, 12.5 lps, 24/32/42 columns; standard roll paper 58 mm (2.25 in.) x 25M

Communications Modules

Dial: Bell 103/212a; ITU V.21/V.22/V.22bis/V.32/V.32bis — 300/1200/2400/9600/14.4 kbps; V.42 LAPM error correction
ISDN: DSS1 (Euro-ISDN) or 1TR6 (German National ISDN) ITU— V.110/V.120 in B channel; X.75, PPP, or HDLC in B channel; X.25 in B or D channels; X.31 in D or B channels (9600/64000 bps); ML-PPP (PAP or CHAP—MD5 or Microsoft CHAP variants).

10BaseT Ethernet: Standard RJ45 connection; supports general internet protocols: FTP, TCP/IP, UDP DNS, SMTP, POP3, MIME, HTTP, and Telnet; LAN internet protocols: ARP, ICMP and DHCP; 10 sockets (2 server sockets), AT+I application-level commands, SerialNET transparent session. Internet Security: SSL

Protocols

Application selects between asynchronous protocols (Visa 1, Visa 2, and others) and synchronous protocols (including ISO 8583/SDLC)

Security

3DES encryption; DUKPT and Master/Session key management; PED certified; VeriShield file authentication

Physical

Length: 210 mm (8.3 in.); width: 104 mm (4.1 in.); depth, including printer spool: 83 mm (3.3 in.); weight: 760 g (1.7 lbs)

Environmental

0° to 40° C (32° to 104° F) operating temperature; 5% to 90% relative humidity, non-condensing

Voltage

100–240 VAC, 50/60 Hz, DC input 22–26 VDC, 1.5 Amp