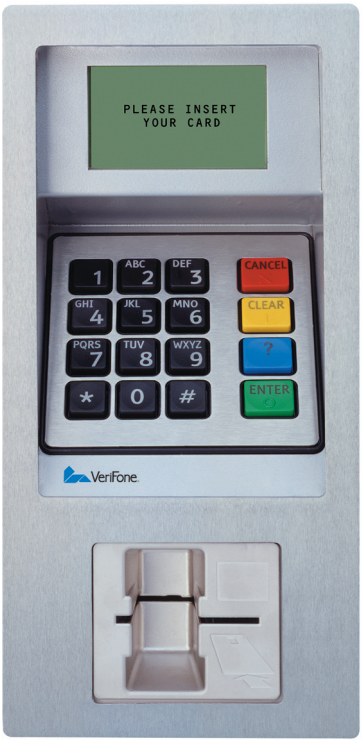
Unattended Payments Made Easy

OP 3100

BENEFITS AT A GLANCE

- EMV approved solution for unattended kiosks, ticketing and vending machines
- PCI approved for secure on-line and off-line PIN entry
- Vandal-resistant features provide exceptional physical security
- Large, durable keypad and large display are ideal for outdoor and public locations
- All-in-one design with high level API for easy integration



Simple, Secure Payment Solution for Unattended Indoor and Outdoor Environments

Secure unattended payments and other transaction services are made easy with VeriFone's OP 3100—the ideal solution to integrate convenient and secure self-payment into a variety of environments, such as ticketing, vending machines, outdoor kiosks, parking systems and other self-pay applications.

Ease of use is an essential element to implement successful unattended payment solutions. The OP 3100 has raised keys on an extra large keypad and a large, graphics-capable, backlit display positioned to ensure excellent visibility for the user. The hybrid card reader accepts magnetic stripe and chip cards in one simple operation to provide fast and reliable processing in mixed environments.

Security is also crucial. The OP 3100 has a PCI approved Encrypting PIN Pad (EPP) and a PCI approved Secure Card Reader for secure on-line and off-line PIN entry payments. It is EMV Level 1 and Level 2 Type Approved for chip cards and also supports advanced encryption schemes. Already widely deployed in numerous outdoor environments, the OP 3100 withstands harsh environmental conditions and meets tough tamper resistance and response requirements.

The OP 3100 uses a secure Linux operating system and supports TCP/IP, allowing new applications to be remotely downloaded to the device via an Ethernet connection. This platform allows VeriFone partners and customers to develop their own applications, such as country-specific payment schemes, loyalty applications, or communication handlers. Applications are cryptographically protected in accordance with PCI requirements to ensure security cannot be compromised by unauthorized software.

The OP 3100 comes with a built-in, high-level API that allows transactions to be accepted without any software development on the device itself. It allows the OP 3100 to be driven from an external processing system to provide turnkey secure electronic payment capability, with no further approval requirements other than end-to-end acquirer testing. This powerful feature allows the OP 3100 to provide off-the-shelf electronic payment acceptance with minimal effort to OEM and system integrators.

VeriFone®
THE WAY TO PAY™

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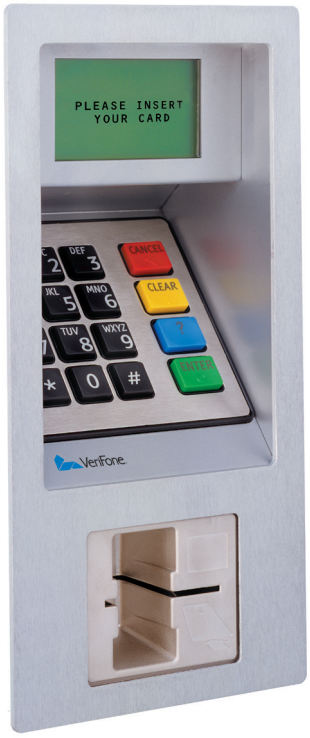

SPECIFICATIONS

Processor
32 bit ARM processor

Operating System
Secure Linux OS

Memory
24MB (8MB Flash, 16MB DRAM, 512K Secure SRAM)

Card Reader
Manual-insert hybrid card reader for 3-track magnetic stripe and EMV chip cards
Shutter protects access to the card slot

Options
3 SAMs can be supported

Display
8-line backlit LCD with graphics capability
132 x 64 pixel resolution

Keypad
16-key rugged polymer keypad
Large, concave, raised keys with tactile identifiers for visually and dexterity impaired users

Communication Interfaces
2 x RS-232 serial ports via 9 Way D-type connector
10BaseT Ethernet LAN via RJ45 connector

Materials
Chassis: Stainless Steel
Front Bezel: Aluminum

Dimensions (h x w x d)
270 mm x 145 mm x 205 mm (card reader included)

Environmental
IP65 rated PIN pad (when mounted to suitable enclosure)
IP54 rated card reader
Operating temperature: -15ºC to +60ºC

Security Certifications
PCI EPP approved (OP312 encrypting PIN pad)
PCI approved Secure Card Reader
Smart card reader: EMV Level 1, Version 4.0
Software kernel: EMV Level 2, Version 4.1 (configurable)

Features & Benefits

Exceptional Physical Security and User Comfort

- Rugged IP65 compliant keypad protects against liquids and physical abuse
- Impact-resistant display and tamper-responsive housing and card reader resist vandalism and protect cardholder information
- Exceptional weather-proof design withstands harsh outdoor environments and provides extended reliability
- User-friendly, large tactile keypad is especially easy to use by the visually and dexterity impaired
- Angled keypad provides built-in privacy shield for cardholder protection

Fast, Secure and Reliable Payments

- EMV approved manual-insert card reader accepts magnetic stripe and EMV smart cards for quick and reliable use in any environment
- Offers high payment security with PCI PIN entry approvals
- Supports the latest security protections and advanced encryption schemes such as Triple DES (3DES), Master/Session and DUKPT key management
- Intuitive and simple user interface is ideal for self service applications, allowing merchants to dispense higher-value goods with lower staff costs

Versatile, Easy Integration and Use

- All-in-one pre-approved turnkey design allows easy integration into target systems
- High level payment API removes the need for any device application development and interfaces directly with VeriFone's PAYware software solutions
- Flexible communications options support serial and LAN connectivity
- Fast, secure Linux platform permits easy software development of custom and region specific applications within a secure environment
- Large clear display provides exceptional user interface capabilities and can be used to guide the user through the transaction process or for advertising and promotional uses when the OP 3100 is idle

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