

BENEFITS AT A GLANCE

- One of the industry's smallest footprints; easily integrates into existing vending and kiosk cutouts
- Vandal resistant, low-power, outdoor-rated design
- Based on widely adopted VeriX V platform to enable rapid application porting and deployment
- PCI PED and EMV approved
- Can enable multiple payment and controller applications



Powerful Payment Solutions For Self Service, Indoors or Out

VeriFone's Vx 700 packs multiple payment options, the highest security and outstanding durability into one of the industry's smallest footprints. And that makes the Vx 700 a perfect fit for self-service payment—indoors or out—including a variety of kiosk, vending, parking and ticketing applications. The Vx 700 is exceptionally versatile, making it just right for new OEM designs or for existing vending machines or kiosks. It complies with the latest PCI PED and EMV standards to protect transactions and cardholder information. And with an IP65 rating and impact resistance of 10J, the Vx 700 is built to perform in the toughest environments.

Form-fitting design

The unique form factor of the Vx 700 allows the entire 16-key PIN pad and its 128 x 64 graphical display to fit within a standard bill acceptor cutout – ideal for vending and other space-critical applications. The Vx 700 is equally well suited for payment kiosks in ticketing, transportation, parking, drive-thrus and petroleum or other self-service applications and can double as a powerful controller for vending and ticketing machines.

Versatile and Flexible

The Vx 700 is often coupled with a smart card reader such as the VeriFone SCR710 and has the capability to accept a peripheral contactless reader to provide a

complete and highly flexible payment solution for magnetic-stripe, EMV smart card applications, or contactless payment. The Vx 700 operates at a wide range of input voltages to utilize existing power supplies, and it incorporates low power and power-saving modes to reduce consumption in power-critical applications. OEMs and system integrators can also take advantage of standard connectivity offerings such as multiple serial ports and USB host and slave ports, or add optional Ethernet LAN or dial capabilities. And optional adapters provide multi-drop bus (MDB) connectivity for vending applications.

Vx 700

Perfect Fit for Unattended Applications

Vx 700



Extensive and versatile communication ports

SPECIFICATIONS

Processor

200MHz ARM9 32-bit microprocessor

Programming Environment

Verix V-based – able to run existing applications with only minor modifications
High-level API for easy integration

Display

128 x 64 pixel graphical LCD with backlighting; supports 4 lines x 21 characters with standard font set

Memory

6 MB (4 MB of Flash, 2 MB of SRAM)
Optional 12 MB (8 MB of Flash, 4 MB of SRAM)

Security

PCI PED 1.3 online and offline approved
3DES encryption, Master/Session and DUKPT key management; VeriShield file authentication

Power Supply

9V DC to 28V DC
(option to support 45V DC)

Power Consumption

1.5W full speed
1W low-power mode
0.39W sleep mode

Keypad

16-key keypad (3 x 4 numeric keypad, plus 4 function keys)
4 function/user-defined keys

Audio

Built-in multi-tone beeper

Connectivity

3 x RS232 serial ports
2 x USB 2.0 host ports
1 x USB 2.0 slave port

Connectivity Options:

MDB interface (Multi-Drop Bus for vending applications), host and slave V.22bis–V.34 modem with HDLC capability via USB connection
Ethernet 10/100 BaseT via USB connection; dial

Card Readers

Connects to SCR710
PCI approved secure card reader
When connected can support magnetic stripe cards—triple track (tracks 1, 2, 3), high coercivity, low coercivity and EMV cards

Physical

Height overall 132mm; Width overall 100mm; Depth overall 49mm
Cutout size (refer to detailed drawing in support documentation)
Height 106mm; Width 84mm; Depth behind panel cutout 43.5mm

Environmental

Stainless steel front panel
IP65 sealed
-25C to +60C (-13F to 140F) operating temperature
5% to 95% relative humidity (non-condensing)
IK09 vandal resistance (10 Joules impact resistance)
Petroleum and chemical resistant

Features & Benefits

Brings High Security to the Most Demanding Outdoor Environments

- Features a superior IP65 rating to protect against dust and water ingress
- Operates in extreme temperatures from -25C to +60C
- Incorporates a rugged, two-million operation, petro-chemical resistant keypad
- Pre-approved for PCI PED certification
- Supports 3DES encryption and master/session and DUKPT (derived unique key per transaction) key management
- IK09-rated 10J impact resistance for vandalism protection

Provides Flexibility to Support a Wide Range of Applications

- Fits perfectly into bill acceptor cut-out on most vending machines
- Easily adapts to ticketing, transportation, kiosk, petroleum dispensing or restaurant drive-thru requirements
- Accepts a wide range of input voltages
- Has low power capabilities for use in power-critical applications
- Standard connectivity including RS-232 serial ports, USB host and slave. Options to add Ethernet modem and MDB host and slave interface for vending applications
- Ample memory 6 MB, expandable to 12 MB (factory fit options) to support multiple applications, including value-added solutions

Offers Ease of Use for End-Users and Developers

- Provides 16 concave keys with high-contrast legends and tactile identifiers for ease of use
- Includes 128 x 64, high-resolution graphical display with backlighting for excellent readability
- Built on the popular Verix V operating system providing developers access to a broad selection of application software components
- VeriShield file authentication to ensure security of loaded applications and files