

PRELIMINARY DATA SHEET



V^x 700 Unattended PIN pad

BENEFITS AT A GLANCE

- Verix-based programming environment
- Small, easy to integrate form factor
- Fits into bill acceptor cut-out
- 2 million operation keypad, 16 keys
- 128 x 64 graphical display
- IP65 sealed, -25C to +60C operating range

The V^x 700 is an outdoor-rated unattended keypad, suitable for payment applications, process control in tough environments, or anywhere where you need robust reliability. Built around VeriFone's globally successful Verix-based programming environment, the V^x 700 gives access to a broad range of application software components and sophisticated development tools.

Designed for the toughest environments, the V^x 700 is rated to IP65 and can work in extreme temperatures. It is PCI PED approved for assured payment security, has a superior graphical display with optional backlighting, easy-to-use long-life keypad with concave keys and is vandal resistant.

The unique form factor of the V^x 700 allows it to be fitted into bill acceptor cut-outs for vending applications. It is equally suited for ticketing, transportation, kiosk, petroleum dispensing or drive-through restaurant deployments.

Capable of operating from a wide range of input voltages, the V^x 700 also has low power capabilities to enable use in power critical applications. A variety of interfaces, including USB host and slave, makes for simple connectivity over local or wide area infrastructures.

The V^x 700 can couple to a variety of VeriFone card-accepting devices to give a complete payment solution ranging from magnetic stripe only to full EMV chip card processing. It also has options to directly support contactless payment cards, including MasterCard PayPass, Visa payWave, M/Chip and qVSDC, with the addition of a simple 'puck' antenna that is easily mounted on the integration equipment such as a vending machine or kiosk.

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SPECIFICATIONS

Processor

200 MHz ARM9

Programming Environment

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

Display

128 x 64 backlit LCD

Memory

4MB Flash, 2MB SRAM (standard)
8MB Flash, 4MB SRAM (option)

Security

PCI PED 1.3 on-line and off-line approved

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 with concave keys, high contrast legends and tactile identifiers
External interface for another 4 function/ user-defined keys

Audio

Built-in multi-tone beeper
External sounder connection

Connectivity

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

Connectivity Options For:

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

Card Readers

Connects to Secura 710 and MX710 secure card readers
When connected can support magnetic stripe cards (3 track)
EMV cards (EMV 4.0)

Contactless interface option via separate interface module

MasterCard PayPass, VISA payWave, Discover, ExpressPay, M/Chip/ qVSDC, MiFare, Felica, and NFC can be supported via optional SDIO contactless interface module

Environmental

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



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