VeriFone

Vx Solutions

Raising Performance to a New Level

VeriFone® Verix

Vx Solutions

- Vx Solutions is a complete line of hardware, software, and solutions based on a single platform
- Applications, and libraries are leveraged across products in the family

Family of V^{x} Solutions

- Hardware
  - Core countertop
  - Flexible countertop
  - Portable
  - Pay at table
  - Consumer facing

New Generation of Terminals

- Optional smart card reader
- Optional SAMs (none, 1 or 3)
- Fixed communications functionality
  - Standard high speed modem

Packs A Punch

- Delivers 10-times faster processing
- Remarkably small footprint takes up less counter space
- Processes debit, credit, and value-added transactions – including EMV smart card
- Offers the latest security protections

Lightening Fast Transactions

- High speed modem completes downloads in 4 - 6 minutes
- Processes transactions 10 times faster than the leading competitor
- Prints 18 lines per second (30% improvement)

"Noticeably faster than other terminals …shaves seconds off each transaction."

Quote from Beta Customer

All-in-One Design

- Unique hand over design for customer PIN entry
- Triple track card reader handles most magnetic-striped cards
- Built-in smart card reader and SAMs support multiple smart card solutions
- Drop-in paper loading virtually eliminates paper jams
- Four programmable screen keys makes it easy to learn and use
- Add customer branding on paper door

Familiar Interface Gives You an Edge

- ATM-style user interface
  - Simplifies training and reduces clerk errors
- Intuitive ATM-style look and feel
  - Graphical display can be seen in all lighting conditions
- Bilingual support
  - Simplifies training time in diverse markets

Printer Jams Are a Thing of the Past

- Quiet, high-speed thermal printer results in faster transactions
  - 18 lines per second
- "Clam shell" printer has drop-in paper loading
  - Prevents jams and reduces calls to the help desk
- Paper release lever allows for quick and simple paper roll changes
- Hinged paper cover won't get lost
- Thermal printer means no ribbon to change or ink to smudge
- Fewer moving parts result in reduced maintenance and repairs

Vx 510 Security Protections

- EMV Level 1 and Level 2 Type Approval
- Fully 3DES integrated security for Master/Session and DUKPT key management
- VISA approved PIN entry device for debit and other PIN-based transactions
- Security Access Modules (SAMs) safeguard sensitive financial data and support multiple smart card schemes
- VeriShield file authentication provides secure application and OS downloads

Built-In Security

- Tamper Detection
  - Security mesh
  - Case open sensors
  - Voltage sensor to monitor power supply
  - In case of attack, encryption keys are erased
  - Keyboard tapping sensors
- Tamper Evidence
  - Security stickers
  - Epoxy potting
- Application Separation
  - Minimizes or eliminates need to recertify existing payment applications when an application is added or modified

The Multi-Application Environment

- Verix V architecture
- SoftPay payment application
- Verix V Developer Toolkit
- VeriShield security architecture
- VeriCentre appliance management
- Comm Server™
- Multiple application terminals

Supports Expanding Needs

- 3 MB memory allows plenty of room for multiple applications
  - Electronic gift card and loyalty programs
- Supports PINpads, check readers, and other peripherals

Proven Fast Time to Market

- "Being able to certify the new application in less than 6 weeks gave us faster time to market, thereby generating immediate revenues for us."

  Posnet, Argentina

- "We were amazed that we were able to complete the porting for the V^x 510 in less than a week. After this experience, we are truly Verix believers."

  Alexandre Matta, Technology Director, Redecard Brazil

- "The first time we ported an application from the Omni 3750 to the V^x 510 took 10 days. We are confident the second time it will take less than 5 days."

  Yannis Vozikis, R&D Manager, Printec Greece

The Perfect Solution

- New sleek look
  - Smallest footprint available
  - Easy to use “hand-over” device
- Faster processing power and printing
  - 10 times faster processing!
  - Faster EMV transactions
  - Prints at 18 lines per second

- Supports Verix multiple payment and value-added applications
- Supports VeriCentre
  - Download, information collection and remote diagnostic modules
- Visa PED and EMV Level 1 and Level 2 Approved

VeriFone®

V^{x} 510

Vx Solutions

Big Things in a Small Package

Compact Design Saves Counter Space

- Dimensions
  - Height: 72 mm
  - Width: 102 mm
  - Depth: 209 mm

The Perfect Solution

- Dial up
- TCP/IP 10Base
- Dialup + TCPIP

VeriFone

V^x 610

Portable Powerhouse

VX Solutions

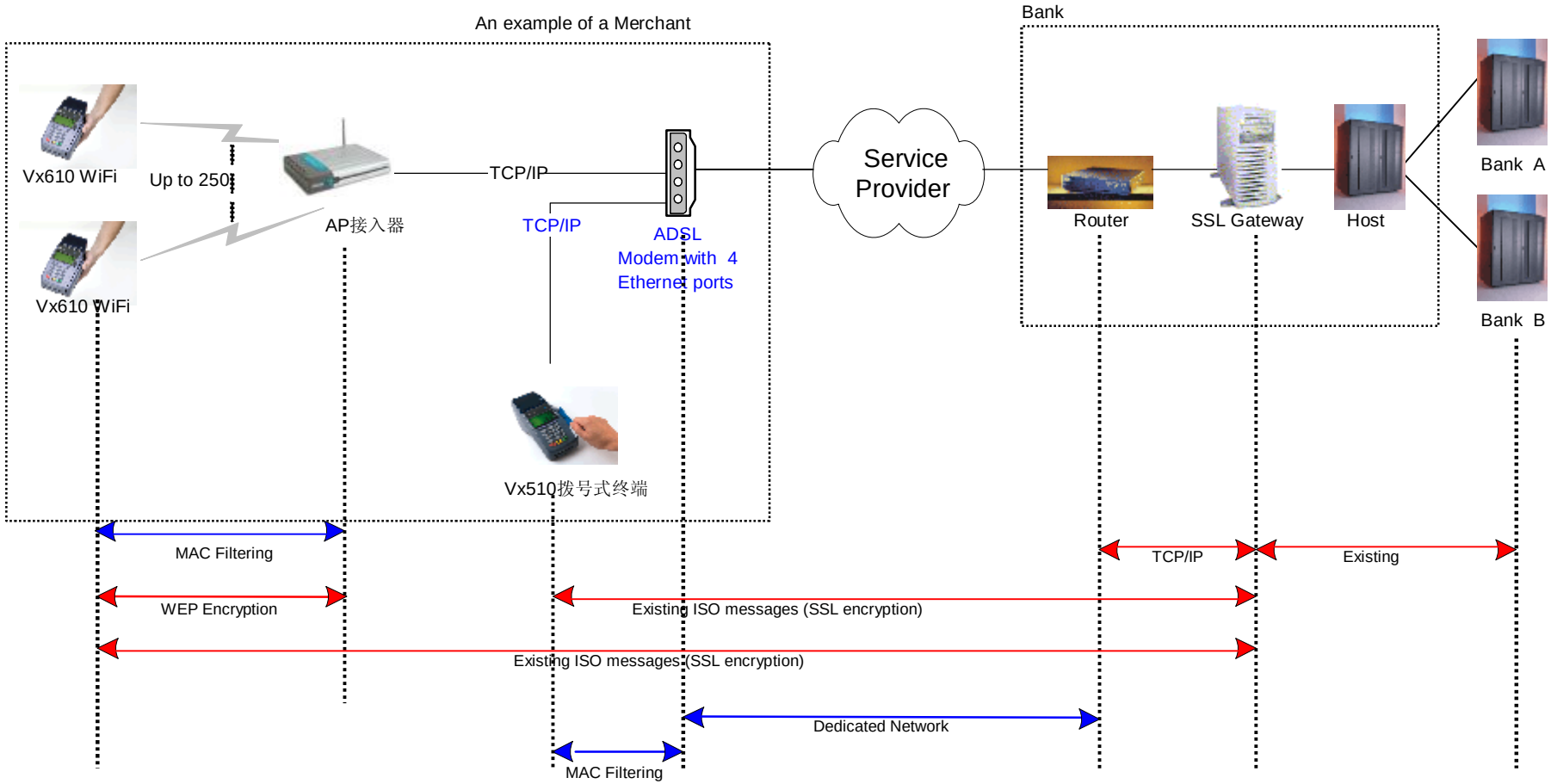
Bring the POS to the Point of Service

- With VeriFone's wireless, battery-powered Vx 610 terminal, the point of payment can be almost anywhere
- Delivers blazing performance, high-end functionality, and exceptional ease of use — without tying your customers to a fixed location

Vx 610

- Choice of the latest wireless technologies: GPRS, CDMA ,Wi-Fi and Vaayu

WiFi LAN with SSL + NAC / NetAccess IP Downlink



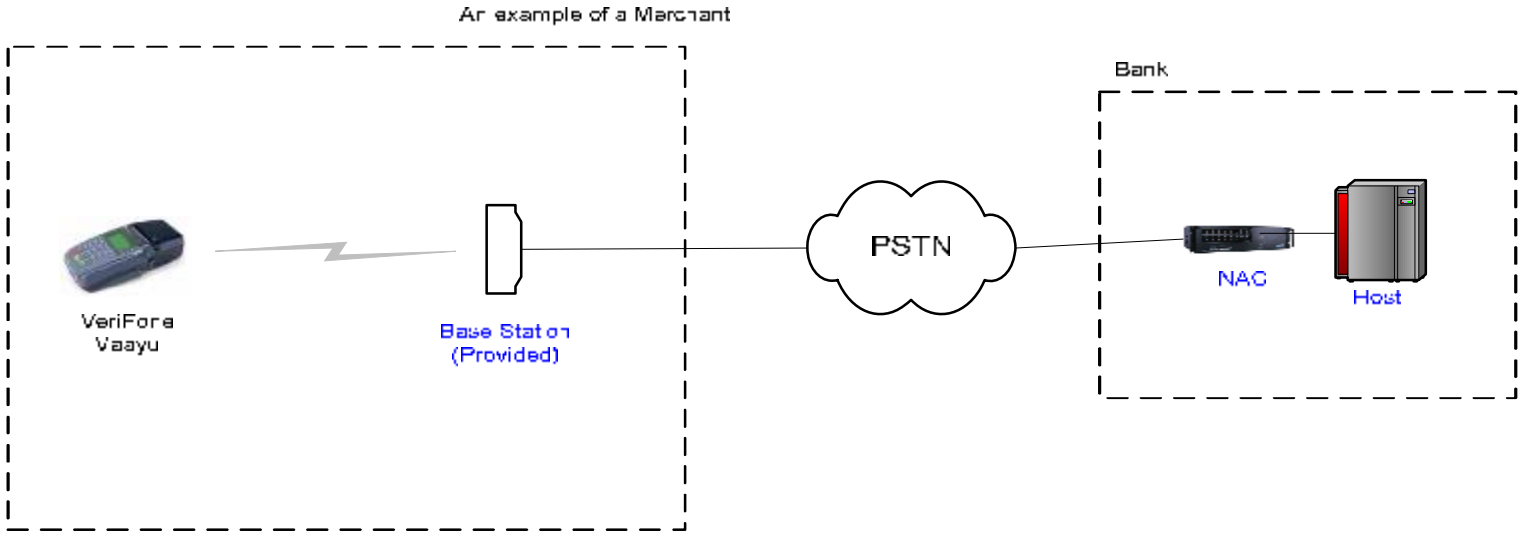
Vx610 -- Vaayu

mobile unit

base station

V0302 integrated with Vx610

VeriFone-Vaayu Architecture



Raising Performance to a New Level

- Powerful, new 32-bit ARM9 microprocessor runs at 200mhz
- “Always on” wireless services
- Modular design provides true investment protection
  - Modules to be easily swapped should new versions of a technology emerge
- All-in-one terminal eliminates the need for dongles and charging bases
- Handles even the most complex mag-stripe or smart card transactions
- Designed for optimal performance with IP-based transactions
- Dual modem design — wireless and dial — offers added dependability

Feel Secure in Your Decision

- Advanced security and superior reliability
  - SSL and 3DES encryption
  - Master/Session and DUKPT key management
  - VeriShield file authentication
  - VeriFone Secure Scripts architecture
- The Vx 610 is Visa PED Approved for debit and other PIN-based transactions
  - EMV Level 1 and Level 2 Type approved

High-End Functionality

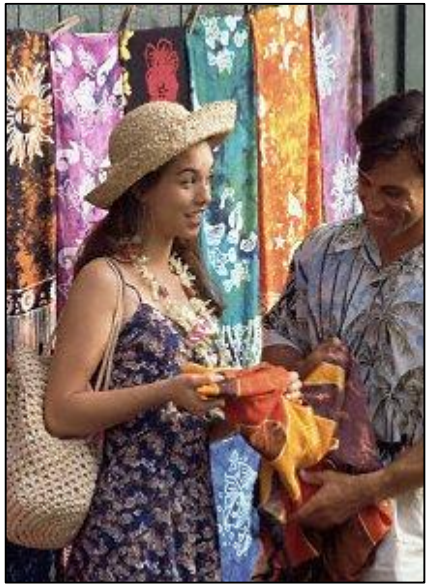
- Industry leading battery performance with large capacity Lithium-Ion Smart Battery technology
- 18 lines per second thermal printer with drop-in clam shell paper loading
- Standard countertop paper-roll provides minimizing inventory and costs
- Built-in smart card reader and Security Access Modules (SAMs) support multiple smart card solutions and offer added data protection
- Internal PINpad supports debit and other PIN-based applications

Familiar and Consistent Platform

- Intuitive ATM-style interface and ergonomic design provides a familiar user experience
- Supports payment and value added applications
  - Application separation at both the hardware and software level minimizes or eliminates the need to recertify existing payment applications every time an application is added or modified
- Verix-based platform and SoftPay software allow you to leverage existing applications without rewriting code or recertifying
- Proven Verix-based platform provides seamless fit with merchant's existing VeriFone countertop terminals

Vx 610 Opens New Markets

- Attract new customers
  - Delivery services
  - Outdoor markets
  - Taxi drivers
- Offer additional points of sale to existing customers
  - Kiosks
  - Line busting
  - Stadium vendors



Countertop Payment with Wireless Flexibility

- Unsurpassed performance with no strings attached