

Vx 510



SPECIFICATIONS

Processor
200 MHz ARM9 32-bit RISC processor

Memory
3 MB – dial only

Display
128 x 64 pixel graphical LCD with backlighting; supports 8 lines x 21 characters

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

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

Peripheral Ports
Two RS-232 ports, and one telco port supports communications and peripherals including PIN pads and check readers

Printer
Integrated thermal with graphics capabilities, 18 lines per second, 24 or 32 columns; standard roll paper 58 mm (2.25 in.) x 25 M (82 ft.), single ply

Modem
Standard 14.4 kbps modem supporting Bell 103/212a, CCITT V.21/V.22/V.22bis/V.32/V.32bis (300/1200/2400/9600/14400 and HC Fast Connect for 1200bps; optional Fast POS for 9600)

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

Security
SSL v3.0, 3DES encryption, Master/Session and DUKPT key management; PCI PED approved; VeriShield file authentication

Physical
Length: 209 mm (8 in.); Width: 102 mm (4 in.); Height: 72mm (2.8 in.)
Weight: Terminal/500 g (1.10 lbs.), Full shipping/1,326 g (2.84 lbs.)

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

Voltage
AC input 100 - 240 VAC, 50/60 Hz; DC Output 8.6 - 9.4 VDC, 4.0 Amp

Features & Benefits

Exceptional Performance

- 200 MHz 32-bit RISC processor – the fastest processor in the industry for multi-tasking capabilities
- Up to 3 MB of lightning-fast DMM (dynamically managed memory) provide exceptional processing on debit, credit, EBT and value-added transactions
- File compression, used in conjunction with high-speed networks or high-speed modems greatly streamlines application downloads
- Exceptional graphics-handling by both display and printer quickly renders logos, graphical fonts and character-based languages

- Integrated high-speed thermal printer is quiet and fast (18 lines per second) with drop-in, “clam shell” loading to simplify paper changing and eliminate jams

Easy to Use

- Intuitive ATM-style interface, large backlit display, ergonomic keys, and bold menu prompts minimize clerk training, speed lines, and reduce errors
- Triple-track, high-coercivity card reader handles most magnetic-stripped cards, including mini-cards
- Internal PIN pad for debit and other PIN-based applications

Advanced Security And Superior Reliability

- Latest security protections include advanced 3DES encryption, Master/Session and Derived Unique Key Per Transaction (DUKPT) management, and sophisticated VeriShield file authentication and tamper resistance
- PCI PED approved for debit and other PIN-based transactions
- 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