CP6500 ON VEHICLE CONTACTLESS VALIDATOR

Overview

The Vix CP6500 is a compact, on vehicle, contactless card reader and validator solution for card based and account based fare collection.

The large, colour touchscreen display enables advanced journey options to be presented to passengers, allowing support for multiple fare options and multi-passenger travel.

Designed and certified specifically for on vehicle use, the CP6500 has a compact design that allows it to be pole mounted in the most appropriate vehicle location to optimise passenger transit.

The CP6500 can be deployed as a standalone fare collection device, or seamlessly integrated into on vehicle networks including driver consoles, vehicle location systems and automatic vehicle management systems.

Compliant to both EMV and ISO-14443 contactless payment standards, the CP6500 is equipped with a responsive contactless card and NFC mobile phone reader module, delivering rapid fare collection and enhanced passenger throughput.

Vix validators are offered pre-certified to Contactless EMV Level 1 and Level 2 for Mastercard© PayPass and Visa© payWave ensuring that open-loop payment solutions can be deployed as quickly and efficiently as possible. Other payments schemes can be made available on request.

In addition to closed-loop and open-loop validation, the optional, integrated 2D bar code reader extends validation capabilities to include mobile and printed tickets.

The bright colour display, patented "Ring of light" and integral amplifier & speaker provide superior visual and audible passenger feedback.

Key features

- Large colour touch screen enables advanced fare collection rules and options
- Compact and easy to position for optimum passenger transit
- Deployable as standalone validator or as part of on-vehicle network
- Delivers rapid, reliable fare collection and increased passenger throughput
- Visual and audible passenger interfaces which provide a superior user experience
- Pre-certified for PayPass and payWave EMV.

About Vix

Vix is a global provider of integrated transit and mobility systems making it easy for people to use and pay for urban transport.

We design, manufacture, deliver and operate intelligent transport, fare collection and passenger information systems for transit operators around the world, serving over 140 million users in 25 countries.

Vix products and services encompass a wide range of transport and transit solutions including Automated Fare Collection (AFC), Intelligent Transport System (ITS), Real Time Information (RTI) for both fleet management and passengers, and Central Clearing House (CCH) services.

CP6500 ON VEHICLE CONTACTLESS VALIDATOR

Product Code	CP6500 On Vehicle Contactless Validator
Passenger interface	• Bright, colour 5.7″ TFT-LCD, 640x480 resolution passenger display supporting high contrast graphics and animation • Illuminated RGB colour ring providing easily visible card validation status • Digital audio allows high quality sound, including voice messages. • Capacitive touch screen enabling passenger interaction • Customisable user interface • Support for multiple languages.
Card reader support	• Entire device front face acts as contactless target • ISO 14443 Types A and B compliant • ISO 18092 NFC compliant for mobile devices • EMV Level 1 & Level 2 payWave/PayPass certified (including TQM certification).
Bar Code Reader (Optional)	• Under-mounted CMOS sensor allowing easy scan of mobile and printed bar codes • Support for Linear, 2D Stacked and 2D Matrix Symbologies.
Physical & Environmental	• Dimensions: (h) 232mm x (w) 164mm x (d) 121mm • Operating Temp: -20°C to +55°C • Storage Temp: -30°C to +70°C • Humidity: to 95% non-condensing • Ingress Protection: IP54 • Impact Rating IK08.
Configuration	• 400MHz PowerPC CPU • 256MB DRAM • 1MB SRAM • 2GB flash memory • Operating system: Linux • 4 x ISO 7816 compliant SAM slots.

Communications	• Ethernet: 10/100Mbps
	• Serial:
	  − 1 x RS232 diagnostics interface
	  − 1 x RS232 communications interface
	• USB:
	  − 1 x high speed USB 2.0
	• 1 x 1-Wire
	• Optional WLAN and 4G with internal or external antenna
	• Optional GPS with external antenna.

Electrical	• Power: 9 to 38V dc from a vehicle supply.
Audio	• Integral amplifier and speaker.
Compliance	• Vix supplies products to meet many local and globally recognised standards such as CE, RoHS, FCC, various Smart Card standards and many others. For more details on how Vix meets your local requirements please contact Vix directly.

Stringent reliability testing is performed on all equipment.
To ensure the highest quality, specifications may change without notice.

bsi. ISO 9001 Quality Management — ISO 14001 Environmental Management