

CARD PROCESSOR ONBOARD VALIDATOR

KEY FEATURES

High resolution colour graphical display

Brightly illuminated frame to indicate result of card validation

Digital speaker for high quality sound, including speech

Optional touch-screen capability

Fully programmable user interface, with multi-language support



CP6500

ABOUT VIX

Vix transforms the way people connect and commute around the world. With over 25 years experience and 250,000 devices deployed worldwide, our range of products can be relied upon to transform your transit operations.

Vix's dedicated in-house product development team consisting of industrial designers, mechanical engineers, component engineers and manufacturing specialists are able to provide both off the shelf or turnkey solutions. From conceptualisation and design, through to prototyping; manufacturing and testing through to post-production support. You can rely on Vix to create devices that deliver and are cost effective.

OVERVIEW

Card processors are used to validate smart cards in conjunction with a driver console as part of a sophisticated "on-bus" network or as stand-alone fare collection devices.

Vix's CP6500 iVal™ card processor has an innovative and compact design which is easily mounted in any vehicle location. The Vix CP6500 has the built in capability to interface with "on-bus" network devices such as vehicle location systems, automatic vehicle management systems, portable hand-held inspection devices, laptop computers and other legacy equipment.

Utilising Vix's next generation of card readers as a preference, the Vix CP6500 provides high quality card processing capabilities honed through years of in-field testing and operation. With abundant built-in processing and memory capabilities and a multitude of communication options, the Vix CP6500 provides the best card processing solution for any modern fare collection system.

TECHNICAL SPECIFICATIONS

CP6500

Patron Interface	Bright, colour 5.7" TFT, allowing high contrast graphics, including animation Entire front face of the device provides contactless target, and illuminated colour ring indicates transaction status as well as visual highlights for the device Digital audio - allowing high quality audio, including voice messages Contactless smartcard reader supporting ISO 14443 Types A, B and C Fully programmable user interface Multi-language support
Communications	10/100Mbps Ethernet RS232 High speed SAM support for up to 4 SAMs USB 2.0
Card Reader Support	Supports ISO 14443 Types A, B and C Supports ISO 18092 Peer-to-peer (active/passive) NFC Contactless Credit Card Ready
Options	Screen size (3.5" or 5.7" screens available) Touch-sensitive screen or tactile buttons 802.11 b/g/n WLAN, GPS, 3G/GPRS Custom logos and artwork available ARCNet communications available for legacy installations
Compliance	Vix Products supplies products to meet many local and globally recognised standards such as CE, RoHS, FCC, various smartcard standards and many others. For more details on how Vix Products meets your local requirements please contact Vix Products directly.
Integration	The CP6500 can be operated as a standalone unit or as part of a whole of bus solution, incorporating additional contactless smartcard and/or magnetic validators, bus computers, driver units, passenger information and announcements, as well as integrating with thirdparty devices into a single bus network.
Effortless Maintenance	Quick-release, lockable cradle assembly, incorporating active cradle capability.
Configuration	400MHz PowerPC processor with additional inbuilt core for realtime processing 256 MB DRAM (upgradeable to 2GB) 1 MB SRAM (upgradeable to 2MB) 1 GB Flash (upgradeable to 8 Gbytes)
Physical	IP54 (IEC 60529) IK08 impact resistant
Stringent reliability testing on all equipment is undertaken. To ensure highest quality, specifications may change.	

Other iVal™ Devices



V6000
Validator



CP6500
Card Processor



DC6000
Drivers Console



EB6000
Expansion Box



TP5700
Ticket Processor

The iVal™ product range is an suite of innovative fare management devices. They all include TFT screens providing high resolution, easily viewable colour displays and use an open architecture based around the Linux OS in order to increase reliability and code reuse. Vix iVal the new standard for reliability, maintainability, robustness and ease of use. Powered by Vix's OEM Viper™ processor, Vix iVal devices feature a second processor core for handling real time functions, modern high speed communications interfaces, including 100Mbps Ethernet and USB 2.0, and fast, high capacity memory to meet the needs of the modern AFC system.