

# CARD PROCESSOR ONBOARD VALIDATOR

## KEY FEATURES

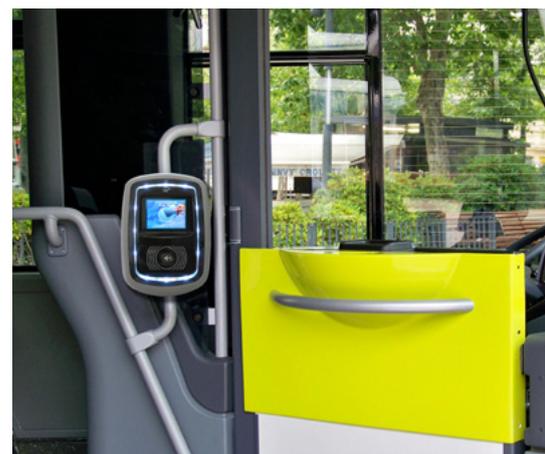
**High resolution colour graphical display**

**Brightly illuminated frame to indicate result of card validation**

**Digital speaker for high quality sound, including speech**

**Fully programmable user interface, with multi-language support**

**Wireless Network**



**CP6100**

## 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 or EMV cards in conjunction with a driver console as part of a sophisticated "on-bus" network or as stand-alone fare collection devices.

Vix's CP6100 iVal™ card processor has an innovative and compact design which is easily mounted in any vehicle location. The Vix CP6100 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, the Vix CP6100 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 including wireless, USB, and Ethernet, the Vix CP6100 provides the best card processing solution for any modern fare collection system.

# TECHNICAL SPECIFICATIONS

CP6100

Patron Interface	Bright colour TFT 3.5" screen allowing high contrast graphics, including animation Contactless target below the TFT Illuminated colour ring indicates transaction status as well as visual highlights for the device Digital audio - allowing high quality audio, including voice messages Contactless Smart Card Reader supporting ISO 14443 Types A and B Fully programmable user interface Multi-language support
Communications	10/100Mbps Ethernet, USB 2.0, WLAN as a client or access point Multi-protocol port RS232/RS422/RS485 High speed SAM support for up to 2 SAMs
Card Reader Support	Supports ISO 14443 Types A and B Supports ISO 18092 Peer-to-peer (active/passive) NFC Contactless Credit Card Ready or EMV (Euro - Mastercard - Visa)
Options	802.11 b/g/n WLAN, GPS, 3G/GPRS Custom logos and artwork available
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.
Integration	The CP6100 can be operated as a standalone unit or as part of a whole bus solution, incorporating additional contactless Smart Card 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 ARM processor 128MB RAM 128MB Flash (upgradeable to 8 GB with optional uSD card)
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



CR6000  
Cobra

The iVal™ product range is a 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 Cobra processor, Vix iVal™ devices feature modern high speed communications interfaces, including wireless networking, 100Mbps Ethernet and USB 2.0, and fast, high capacity memory to meet the needs of the modern AFC system.