



CP6100 ON VEHICLE CONTACTLESS VALIDATOR



Overview

The Vix CP6100 is a compact, on vehicle, contactless card reader and validator solution for card based and account based fare collection.

Designed and certified specifically for on vehicle use, the CP6100 has a compact design which allows it to be pole mounted in the most appropriate vehicle location to optimise passenger transit.

The CP6100 can be deployed as a standalone fare collection device, or seamlessly integrated into on vehicle network including driver consoles, vehicle location systems and automatic vehicle management systems.

Compliant to both EMV and ISO-14443 contactless payment standards, the CP6100 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 contactless support 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

- Compact and easy to locate 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 contactless EMV payments
- Support for ISO-14443 contactless card schemes including ITSO and Calypso.

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.





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Product Code	CP6100 On Vehicle Validator
Passenger interface	<ul style="list-style-type: none">Bright, colour 3.5" TFT-LCD, 320x240 resolution passenger display supporting high contrast graphics and animationIlluminated RGB colour ring providing easily visible card validation statusDigital audio allows high quality sound, including voice messagesFully customisable user interfaceSupport for multiple languages.
Card reader support	<ul style="list-style-type: none">Entire device front face acts as contactless targetISO 14443 Types A and B compliantISO 18092 NFC compliant for mobile devicesEMV Level 1 & Level 2 payWave/PayPass certified (including TQM certification).
Bar Code Reader (Optional)	<ul style="list-style-type: none">Under-mounted CMOS sensor allowing easy scan of mobile and printed bar codesSupport for Linear, 2D Stacked and 2D Matrix Symbolologies.
Physical & Environmental	<ul style="list-style-type: none">Dimensions: (h) 232mm x (w) 164mm x (d) 121mmOperating Temp: -40°C to +60°CStorage Temp: -40°C to +70°CHumidity: to 95% non-condensingIngress Protection: IP55Impact Rating IK07.
Configuration	<ul style="list-style-type: none">400MHz ARM9 CPU128MB DRAM1GB NAND flash memoryAdditional memory expansion up to 8GB via uSD cardOperating system: Linux4 x ISO 7816 compliant SAM slots.
Communications	<ul style="list-style-type: none">Ethernet: 10/100MbpsSerial: RS232 diagnostics interfaceMultiprotocol:<ul style="list-style-type: none">1 x RS422 OR1 x RS458 OR1 x RS232USB:<ul style="list-style-type: none">1 x high speed USB 2.0 Host or Device1 x full speed USD 2.0 Host1 x 1-WireOptional WLAN and 4G with internal or external antennaOptional GPS with external antenna.
Electrical	<ul style="list-style-type: none">Power: 9 to 38V dc from a vehicle supply.
Audio	<ul style="list-style-type: none">Integral amplifier and speaker.
Compliance	<ul style="list-style-type: none">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.

