



PCP6100 RUGGED OUTDOOR VALIDATOR



Overview

The Vix PCP6100 is a rugged card reader and validator solution for card based and account based fare collection. It is ideal for deployment in unattended and environmentally exposed locations.

The PCP6100 is manufactured with a marine-grade steel body and impact resistant, laminated glass LCD screen protection to enable it to withstand extreme environmental conditions and vandalism. Transaction approvals are indicated using four high brightness RGB LEDs, ensuring readability even in direct sunlight.

Designed for mounting adjacent to boarding locations for trains, trams and ferries, the compact design allows easy deployment in any platform location. Options are available for both wall mounting and pole mounting.

Optional touchscreen and physical buttons provide advanced journey options to be presented to passengers, giving support for multiple fare options and multi-passenger travel.

Compliant to both EMV and ISO-14443 contactless payment standards, the PCP6100 is equipped with a responsive contactless card and NFC mobile phone reader module to deliver 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.

The bright colour display, RGB LEDs and integral amplifier & speaker provide superior visual and audible passenger feedback.

Key features

- Designed to operate in harsh environmental conditions
- Optional touchscreen and buttons enable advanced fare collection rules and options
- 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.





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Product Code	PCP6100 Rugged Outdoor Validator
Passenger interface	<ul style="list-style-type: none">• Bright, colour 5.7" TFT-LCD, 640x480 resolution passenger display supporting high contrast graphics and animation• Integral light sensor, enabling automatic light dimming in low ambient light conditions• Four RGB LEDs providing easily visible card validation status• Digital audio allows high quality sound, including voice messages• Optional projected capacitive touch screen enabling passenger interaction• Optional tactile keys (10) enabling passenger interaction• Customisable user interface• Support for multiple languages.
Card reader support	<ul style="list-style-type: none">• Entire device front face acts as contactless target, with antenna located below display• 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).
Physical & Environmental	<ul style="list-style-type: none">• Dimensions: (h) 290mm x (w) 250mm x (d) 250mm (including hood)• Operating Temp: -40°C to +60°C• Storage Temp: -40°C to +70°C• Humidity: to 95% non-condensing• Ingress Protection: IP54• Impact Rating IK08.
Configuration	<ul style="list-style-type: none">• 400MHz ARM9 CPU• 128MB DRAM• 1GB flash memory• Additional memory expansion up to 16GB via uSD card• Operating system: Linux• 4 x ISO 7816 compliant SAM slots.
Communications	<ul style="list-style-type: none">• Ethernet: 10/100Mbps• Optional Power of Ethernet (PoE)• Serial:<ul style="list-style-type: none">– 1 x RS232 diagnostics interface– 1 x RS232 communications interface• USB:<ul style="list-style-type: none">– 1 x high speed USB 2.0 (internally accessible)• 1 x 1-Wire• Optional WLAN and 4G with external antenna.
Electrical	<ul style="list-style-type: none">• Power: Typically 24V dc from supplied switched mode power 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.

