



CR6000 CONTACTLESS CARD READER/VALIDATOR



Overview

The Vix CR6000 is a compact, low-cost, contactless card reader and validator solution that offers multiple configurations for deployment flexibility:

- Standalone desktop unit for retail payments
- Panel mounted module for integration into gates or ticket vending machines
- Upgrade kit to add open-loop payment capability to deployed Vix TP5700 ticket machines.

Designed to support both card based and account based fare collection solutions the CR6000 is compliant to both contactless EMV and ISO-1443, MiFare payment standards and is equipped with a responsive payment processor module, delivering rapid fare collection and enhanced passenger throughput.

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

The bright colour display, patented “Ring of light” and integral amplifier & speaker provide superior visual and audible feedback, and enable increased passenger confidence.

The TP5700 upgrade kit, provides a cost-effective upgrade option to deploy open-loop capability to existing ticket machine deployments.

The Vix CR6000 is also available as an EMV Level 1 certified OEM module to provide contactless card reader capability into a range of point-of-sale applications.

Key features

- Compact and low cost
- Flexible deployment configurations
- Delivers rapid, reliable fare collection and increased passenger throughput
- Passenger interfaces providing 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	CR6000 Card Reader
Passenger interface	<ul style="list-style-type: none">• Bright, colour 3.5" TFT-LCD, 320x240 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• Fully customisable user interface• Support for multiple languages.
Card reader support	<ul style="list-style-type: none">• 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).
Physical & Environmental	<ul style="list-style-type: none">• Dimensions:<ul style="list-style-type: none">– Panel: (h) 128mm x (w) 148mm x (d) 38mm– Desktop: (h) 141mm x (w) 107mm x (d) 32mm• Operating Temp: -20°C to +55°C• Storage Temp: -30°C to +70°C• Humidity: to 95% non-condensing• Ingress Protection: IP54• Impact Rating IK07.
Configuration	<ul style="list-style-type: none">• 400MHz ARM9 CPU• 128MB DRAM• 1GB NAND flash memory• Operating system: Linux• 1 x ISO 7816 compliant SAM slots• Optional expansion for up-to four additional SAM slots
Communications	<ul style="list-style-type: none">• Ethernet: 10/100Mbps• Serial: RS232 diagnostics interface• Multiprotocol:<ul style="list-style-type: none">– 1 x RS422 OR– 1 x RS458 OR– 1 x RS232• USB:<ul style="list-style-type: none">– 1 x high speed USB 2.0 Host or Device.
Electrical	<ul style="list-style-type: none">• Power: 9 to 38V dc from a supplied switch mode power supply• Full calendar real time clock with battery backup• Power consumption: 6W typical, 12W max.
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.

