



ASTREX OVERVIEW

ASTREX is a comprehensive, end-to-end card payment simulation platform which runs on a standard Windows PC.

ASTREX provides you with an holistic view of your payment environment, and helps you to create an exhaustive testing regime which can be implemented easily and rapidly.

Equally useful to any player in payment industry, from terminal developers through to large issuing host development teams, ASTREX provides you with the features and performance to help you ensure that your products and services are the very best they can be.

Payment Network Testing

With the dramatic increases in recent years in the complexity and power of national and international payment systems, the need to test your payment products to ensure conformance, reliability and performance has never been greater.

ASTREX is a world-unique product, designed and developed with the architecture and power of a full transaction processing switch, which provides you with the environment you need to test your products and services to the limit.



ASTREX can simulate any component, or any group of components, in the payment chain

Testing Requirements

- Reduce your time-to-market by a strategy of continuous testing
- Focus internal development and testing resources with greater efficiency
- Reduce cost and schedule overruns, saving you both time and money
- Eliminate interoperability issues through focused testing effort
- Implement a regime of comprehensive positive and negative testing
- Manage an effective and efficient support team which can simulate any field issue

Benefits

- » **Speed!** ASTREX uses a production-switch architecture which provides you with the speed and performance of a real-time transaction processing system.
- » **Flexibility!** ASTREX decouples protocols from test cases, allowing you to run the same test cases over multiple interfaces.
- » **Up to date!** ASTREX is always up to date with the latest network and scheme compliance requirements.
- » **Modular!** ASTREX supports multiple interfaces simultaneously, allowing you to emulate the most complex acquiring configurations with ease.

Features

ASTREX simulates every component in a card payment network, starting from the card and terminal up through to the merchant, acquirer, network and issuer.

It provides you with a comprehensive testing environment that can be leveraged throughout your product and project lifecycle, from development through to test, certification and ongoing support.

With unparalleled audit and diagnostic output capability, analysis of the most complex problems can be carried out with ease, accelerating your support and development response times

By allowing you to develop a regression database, ASTREX can help you define a framework of transactions or transaction responses which comprehensively exercises the reliability and resilience of your terminal software releases.

In addition to positive testing, ASTREX also lets you perform a wide range of negative and other boundary condition testing, so that you can make sure that when things get difficult, your software keeps working.

Acquirer Systems

Founded in 1997, Acquirer Systems provides leading-edge software, services and consultancy encompassing all areas of payments processing. We operate from board-level decision-making and recommendation, through to system development, testing, implementation and roll-out.

With experience in over twenty countries worldwide, our products, services and consultancy cover the following areas:

- » **Payment systems testing and certification**
- » **Staff training and development strategies**
- » **Evaluation of secure payment technologies**
- » **Advice on reducing transaction processing charges**
- » **Development and execution of system stress tests**
- » **Management of payment systems**
- » **Outsourcing of payment testing and certification services**
- » **Acquiring and issuing host system analysis**

In any areas related to the testing, capture and processing of electronic payments, Acquirer Systems can help you to run your business more effectively.

Frequently Asked Questions

Who are your customers?

We have customers in all areas in the payment chain, from small national terminal developers through to major international issuers and acquirers. This global reach gives us a unique insight into each player's role within the wider industry and we feed this insight back into our product development strategy.

What is your company vision?

Our vision is to provide best-of-breed products and services for our international client base to help them build and maintain a competitive advantage in the marketplace.

What services do you offer?

We offer payment systems consultancy in a wide range of areas from the specification and execution of terminal testing and certification strategies, through to acquirer and issuer functional and stress testing, acquirer and issuer fee analysis and reduction, as well as more general consultancy in any area related to cards and electronic payment. We also carry out regular training sessions on EMV and payment networks.

What products do you offer?

We offer **ASTREX**, an end-to-end payment network simulation framework which can be used to simulate any one or more of the components which make up a full payment network.

We are regional agents for **SIMplicity™**, a world-beating, full-featured ATM simulator.

We also provide **PIVOT**, a brand-new EMV card personalization validation toolkit.

Finally, we offer **HSM Monitor**, a performance-monitoring and analysis engine for HSM's.

What hardware do you offer?

We have developed and patented a card-to-terminal interface monitor which is seamlessly integrated with our product line to provide an complete terminal testing environment.

We also provide a range of SDA and DDA EMV-compliant test and training cards for use within organizations developing for EMV, as well as for use within the wider retail industry.



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