

# FASTest™ for ATMs

## *Making Thorough Testing Feasible*

Change is a constant in a thriving ATM environment. Perhaps you are upgrading your ATMs, implementing EMV, incorporating switch mandates, making changes to your host, or resolving a production problem. Testing early and often is the best way to manage these changes. Save time and increase productivity with an integrated testing program—run tests from you desk using FASTest for ATMs.

**Conduct complete, accurate QA and regression testing faster and more accurately** than ever before—simulating all of the terminals in your network, not just those in your test lab.

**Increase productivity by running tests automatically—night or day.** Optionally, use FASTest to create scripted test groups and schedule them to run automatically—24/7. Receive an email of the test results or archive them for later viewing.

**Customize any field, message, transaction, script, or test group** for precise, thorough testing. FASTest offers extensive manipulation of fields, messages, and transaction sequences.

**With a single click, automatically replay all the transactions** in your FASTest script—transactions that previously required hours in your test lab.

**Test specific cards, terminals, or events—even reversals and faults.** FASTest tools and wizards enable you to build test cases for any scenario. Import test card data using a swipe card reader, or type data into FASTest's card database. Configure virtual terminals (such as NCR, Diebold, Wincor, Triton, and others) with any desired features in FASTest's terminal database. Test specific card groups and various terminal types, without using plastics or terminals. Quickly build terminal errors with the device fault wizard—even those indicating a damaged ATM. Easily share test cases using FASTest's export/import utility.

**Implement EMV with confidence.** Conduct complete functional and regression testing of EMV with FASTest. Test with virtual EMV cards that provide visibility into internal chip data, including security keys.

## FASTest provides:

- **More intelligent testing of devices and processing streams.** FASTest provides extensive message validation, complete control over test scenarios, and includes any combination of successful and unsuccessful transactions.
- **Increased productivity** and easier scheduling using automated testing.
- **Added level of automation** to allow testing 24/7, with immediate email notification of results.
- **Verifiable results** reported immediately for each test session, as well as historical test results from FASTest's persistent log. Compare recent tests to prior ones.
- **Accelerated time-to-market** for EMV and new systems and transactions, resulting from reduced test time.
- **Expanded unit and regression test capabilities,** not limited by the test cards or terminals available in your lab.
- **Complete testing of device faults.** Easily test device faults that can't be tested in a conventional lab.
- **Increased assurance** from thorough testing. Verify fixes for production problems—without breaking anything else.
- **Validation of your XFS application** against host and network interfaces.

## Easy Test Construction

- Use familiar Windows® operations. FASTest is intuitively easy to use and offers a single look-and-feel for various terminal types.
- Customize your test cases by:
  - Modifying the tests distributed with FASTest.
  - Importing and replaying actual ATM transactions from your system or simulated transactions from Paragon's ATMulator™.
  - Creating new tests by dragging-and-dropping predefined test components (fields, messages, transactions, or scripts). Replay scripts as needed. Or test individual transactions or messages.
  - Opting to create scripted test groups that can be scheduled to run automatically with immediate email notification of results—24/7.
- Point-and-click to simulate any ATM device fault or exception condition using FASTest's device fault wizard. Import and replay faults from your production system.
- Provide Paragon with a log of your transactions and your key code values (such as "A\_B \_\_\_ B\_" for "Withdrawal from Savings with Receipt") and Paragon will configure FASTest to automatically identify your imported messages.
- Use run-time options to control tests. Run a test to conclusion, continuously, or for a specific interval. Automatically test each card in the card group. Opt to stop a test after a specified number of errors.
- Test a variety of cardholder situations (even EMV chip cards!) using your existing test card data in the FASTest card database—without the need for plastic cards. Import data using a card reader, or type card data into FASTest's card database. Test EMV script processing with visibility into internal chip data.

## Flexible Transaction Testing

- Submit simulated transactions—indistinguishable from live transactions—to the partner application.
- Simulate an unlimited variety of ATMs including models of NCR, Diebold, Triton, and Wincor ATMs, as well as dial up models.
- View on-screen or print the results of a test session with printer/receipt data (including non-English receipts and receipts containing check images) and dispense totals for ATM simulation.
- Compare actual results against a set of expected results for fast, verifiable quality assurance testing.
- Dynamically manage encryption keys and encrypt PIN data—including full support of Triple DES encryption.
- Perform end-to-end testing of 'not-on-us' transactions at your desk using FASTest for ATMs with FASTest for ISO to simulate the issuer, such as your switch (STAR, NYCE, Pulse, etc.), or to simulate your host.

## Prerequisites

Microsoft® Windows® 2000, 2003, XP, Vista or Windows 7; 500 MHz processor (minimum), 700 MHz processor recommended; 50 MB hard drive disk space (minimum); 256 MB of RAM; appropriate communication with the terminal-driving host computer.

## Notes:

- Paragon solutions are designed for installation on English-language versions of these operating systems only. Installation on non-English versions is not supported.
- Support for EMV chip cards and automated test scheduling is optional.

## About Paragon Application Systems, Inc.

Since 1994, Paragon has provided software testing solutions to simulate and test virtually any point in the transaction processing stream. Our high rate of repeat business reflects our expertise and commitment to customer service. We invite you to join the ranks of our satisfied customers.