

# FASTest™ for POS

## *Make Thorough POS Testing Feasible*

POS transactions—particularly payment for goods and services with cash back—have overtaken ATM transaction volumes. Regulations demand rigorous testing with thorough documentation of all test results. As a retailer, processor, or switch, you need to test all transaction types—including chargebacks, reversals, debit and credit cards, stored value cards, and EMV chip cards; as well as electronic check authorizations and Electronic Benefits Transfers (EBT). Move beyond the limits of your test lab equipment and schedules—test from your desk or schedule unattended testing—24/7—with FASTest.

**Customize any field, message, transaction, script, or test group—even test reversals, chargebacks, and check authorizations.** Use the supplied test scripts or import host message data or transactions log files into FASTest to create your scripts. Control tests using run-time options. Quickly customize and immediately run tests to verify the processing of any specific data. Easily share test cases using FASTest's export/import utility.

**Expand unit and regression testing capabilities,** regardless of the test cards or POS terminals you have available in your lab. Test terminal types from multiple vendors. Test using a variety of magnetic stripe and EMV chip card formats.

**With a single click, automatically replay all the transactions** in your FASTest script that previously required hours in the test lab. Perform end-to-end POS testing using FASTest for POS to simulate your device connected to your host, and FASTest for ISO to simulate the network (STAR, NYCE, Pulse, etc.).

**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.

**Evaluate tests through immediate and optimized reporting of results and historical data.** FASTest reports test results with error messages highlighted for easy identification. You can compare recent test results to previous test results. Use the persistent log utility to select and print documentation of historical report data to satisfy regulatory requirements.

## FASTest provides:

- **More intelligent testing of devices and processing streams.** Scripts provide message validation, complete control over tests, and include any combination of successful and unsuccessful transactions.
- **Increased productivity** and easier scheduling with automated testing.
- **Added level of automation** to allow testing 24/7, with immediate email notification of results.
- **Verifiable results** immediately reported for each test session and historical test results from FASTest's persistent log. Compare recent tests to prior ones.
- **Expanded unit and regression test capabilities,** not limited by the test cards or terminals available in your lab.
- **Expanded administrative and financial transaction testing,** including chargebacks, reversals, and electronic check authorizations.
- **Increased assurance** from thorough testing. Proposed fixes actually fix your production problems—without breaking anything else.
- **Accelerated time-to-market** for new systems and transactions, resulting from reduced test time.
- **Easy transition from POS interface to network connection simulations** for end-to-end POS testing.

## Easy Test Construction

- Use familiar Windows® operations. FASTest is intuitively easy to use and offers a single look-and-feel for various message formats and POS devices.
- Customize your test cases by:
  - Modifying the tests distributed with FASTest.
  - Importing actual POS transactions from your production system to replay as simulated test transactions.
  - 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.
  - Creating scripted test groups that can be scheduled to run automatically—at any time—24/7.
- Identify message fields using FASTest’s mnemonic descriptions, rather than decoding hexadecimal data streams.
- Test a variety of cardholder situations (even EMV chip cards!) using your existing test card numbers in a FASTest card database—without requiring the use of plastic cards. Easily add your test cards to FASTest’s database using an inexpensive card reader that attaches to your PC.
- 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.

## Flexible Transaction Testing

- Submit simulated transactions—indistinguishable from live transactions—to the partner application.
- Simulate various POS terminals, regardless of whether or not they are physically available in your test lab.
- View on-screen or print results of a test session, including printer/receipt data.
- 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 and DUKPT (Derived Unique Key Per Transaction) encryption.
- Perform end-to-end testing of ‘not-on-us’ POS transactions at your desk using FASTest for POS to simulate your device connected to your host and FASTest for ISO to simulate the network (STAR, NYCE, Pulse, etc.).

## 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 partner application.

## 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.***

Each Paragon product and service brings you the benefit of our years of experience in financial systems software. 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.