Paragon **VirtualATM** ®

VirtualATM at a Glance

Paragon VirtualATM® (VATM) uses virtualized versions of your ATM software to create a robust, flexible and accessible extension to your test lab that enables your local and remote teams to test your ATMs from their desktops.

With a centralized command and control infrastructure for managing user access, roles and permissions, as well as test scripts, cards and other media, VATM empowers your resources to quickly and easily communicate, collaborate and automate your ATM testing.

The VATM API enables scripted ATM testing using your existing enterprise applications.

Advantages

• Improved test accuracy

• Expanded test coverage

• Increased efficiency

• Automated testing

• Centralized control

• Enhanced collaboration

• Shared resources

• Global access

• Reduced test lab costs

Comprehensive ATM Testing Anytime and Anywhere

After 50 years, ATMs continue to provide a high-profile, self-service delivery channel for consumers around the world. Yet continually advancing technology (such as the industry-wide drive toward Next Gen ATMs), evolving consumer behavior, alternative payment methods, competition, as well as ongoing legal and regulatory pressure mean your ATM network operates in a state of constant change. To effectively manage this ever-increasing complexity, you need a robust and flexible platform for ATM testing.

Paragon VirtualATM (VATM) delivers the most complete, accurate and economical way of organizing, managing and automating your ATM testing environment – using virtualized versions of your own ATMs' applications and software stacks that are available to your testers anytime, anywhere.

VATM is built on Paragon's Web FASTest platform, enabling you to quickly provide your test, development and QA teams with access to your virtualized ATM images to support complete functional testing, ATM fault testing, software patching, security updates, new screen groups, marketing messages, contact and contactless EMV and more.

Working together, VATM and Web FASTest also facilitate test automation and automated regression testing, as well as end-to-end payments testing and integration with other external systems.

VirtualATM Offers Unique Capabilities

Scripting API
The VirtualATM Scripting API enables programmatic control of VirtualATM, without interaction with the product interface. The API can execute commands on a virtual ATM image such as clicking buttons or FDKs, inserting and retrieving media, changing encryption keys, and more.

Detached ATM Capability
With VATM, you can pause your testing with a virtualized ATM and leave the ATM "detached" and running while you work on other tasks. When you are ready to resume testing, your ATM is immediately ready and in the same state you left it – with no lengthy wait for the ATM to restart.

Intelligent Connections
The VATM Host Proxy feature gives you greater control of and visibility into the messaging between your virtual ATMs and test host systems. You can quickly and easily connect any ATM to your various test hosts without changing the IP address in the ATM application or restarting the ATM.

Improve Test Speed, Coverage, Accuracy

Record test scripts in VATM, then clone and customize them to create new tests.

Quickly setup an automated testbed for regression testing. The more you use VATM, the more valuable it will become.

Review reports with results for each test, as well as connection information, media/card used, preconditions, side-by-side comparisons of expected vs. actual screens and receipt images – and more.

Control Access to Your Test Resources

The Paragon command and control infrastructure gives you complete administrative control over user roles and permissions, as well as access to each virtual ATM, all test data including ATM hardware profiles, test cards, simulated cash, checks and test results.

Centralized control also allows you to quickly and easily manage VATM version updates or distribute new test media and scripts to all users so that you can keep your ATM testing operation running at peak efficiency.

Get More Testing Done – with Fewer ATMs

VATM removes testing bottlenecks by allowing you to duplicate and distribute ATM images to your development, QA and test teams as required.

VATM is available 24x7x365 so that your resources can test anytime from anywhere.

Prove Your ATM Processing End-to-End

Virtualize any XFS-compliant ATM or kiosk and easily test them all using the same interface. VATM provides greater visibility into XFS commands and messages than is available when testing with a physical ATM.

Test your entire ATM software stack against your test host systems. This stack includes the ATM application, firewalls, event management applications, antivirus, and software distribution tools—or other software installed on your ATM.

Verify transaction flows early in the development cycle to minimize expensive defect remediation and reduce negative impacts on consumers.

Quickly test ATM faults and error conditions with no risk of damage to expensive ATM hardware.
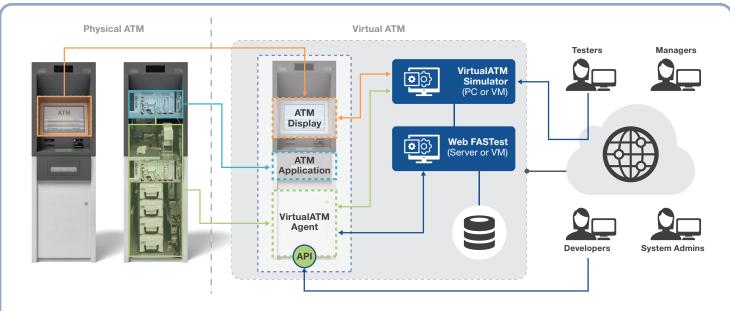
Easily switch between your test host systems and get detailed logs of communication between the ATM software and each host.

Eliminate the overhead associated with maintaining different single-purpose and vendor-specific tools.

Use the Web FASTest platform to extend your ATM testing to include end-to-end testing to external payment networks and remote authorization systems.

Integrate VATM with your enterprise Application Lifecycle Management (ALM) system via the Web FASTest API.

Request a Demo

By virtualizing your existing ATM software stack and simulating its hardware, Paragon VirtualATM allows you to test your ATMs from anywhere. Testers can share media, run automated regression tests and integrate with other systems to help keep your virtualized ATM lab running smoothly.