Overview

XJRunner is the specialised run-time environment for executing pre-compiled XJDeveloper projects. With a range of special features it is particularly aimed at board manufacturers and in-field testing.

In one package, you have connection testing, in-system programming, non-JTAG device testing, serial number handling and configurable log files for your audit trail.

Simple, secure & audited production testing

Package your XJDeveloper test system, created by design or test engineers, into a single compressed and encrypted file to ensure consistency in your testing process.

Excellent for the shop floor. A simple Run/Stop, Pass/Fail interface makes first pass testing a simple point-and-click operation. Configurable run-time messages can tell the tester about any required procedures both before and after testing each board.

Using multiple XJLinks or the 4-port XJQuad you can save time by testing a batch of boards simultaneously as a group. Alternatively, run through them independently and continuously by unplugging one board that has finished and plugging in a new one whilst tests are still running on your other XJLinks.

Each user can have a separate login. This not only identifies users for audit use, but also allows you to restrict their access to features they have been trained to use.
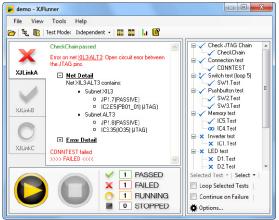
Serial numbering

XJRunner can also program and log serial numbers, or other forms of identification such as MAC addresses. These can be generated by XJRunner, taken from the packaged XJDeveloper system, or be input directly (e.g. from a barcode reader).

Powerful, flexible testing

After a faulty board has been identified on the production line with a default set of Pass/Fail tests, advanced users can then pinpoint faults by running additional tests and debug procedures. They can also choose to run a particular test, or set of tests, a number of times, or even run a test continuously to help diagnose particularly tricky or intermittent problems on a board.

XJRunner also provides statistics on the percentage of boards that have passed/failed as well as Fault Trend Analysis, highlighting tests prone to failure.

Key Benefits

- Improves your QA through configurable logging
- Allows you to retain the power of control on how boards are tested by third parties
- User-friendly environment reduces your training costs for production operatives
- Ability to test multiple boards, simultaneously, by using multiple XJLinks

Features

- Run-time environment for XJEase tests
- Simple, controlled test execution
- Handles a variety of serial number systems
- Log files for audit trail
- Optional restricted access for test-only users
- Fault Dictionary to capture the expertise of your engineers
- Board statistics and fault trend analysis
- Clickable links to the Schematic Viewer and Layout Viewer help you understand or locate faults on a board

XJTAG gives you more…

All of the features above are included when you buy XJRunner. The price you pay also includes:

- JTAG hardware interface — required to connect your PC to the circuit under test, available with a range of connectivity options
- Flexible licensing options so you can install the software on any number of PCs
- Full tutorial

Distributor / Technology Partner