Select your software configuration

		Test development	Test execution	Graphical pin display	Model library for non-JTAG devices	XJDemo board & tutorials	3rd party integration	JTAG chain debugger	Support & maintenance*	Interconnect / Connection test	Golden scan	Layout Viewer	Schematic Viewer	Flash programming	FPGA/CPLD programming	XJFlash/XJDirect compatible	External DLL calls	Test coverage analysis & reports	Netlist merging	Detailed fault description	XJIO or XJIO-PCI board
XJTAG Professional Development System	IDE for test development, debug, program + XJIO	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
XJTAG Development System	IDE for test development, debug, programming	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
XJDeveloper	Test and programming development and debug	✓	✓		✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
XJDeveloper – no UUT debug	Test preparation only	✓			✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
XJInvestigator	Production repair station		✓	✓		✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	
XJAnalyser	Prototype board bring-up, real-time BGA debug		✓		✓		✓		✓		✓					✓					
XJRunner	Production test and programming		✓			✓	✓		✓	✓	✓			✓	✓	✓	✓		✓	✓	
Slave controller †	Parallel production test and programming		✓			✓	✓		✓	✓	✓			✓	✓	✓	✓		✓	✓	

Support & maintenance: First year included, then optional renewal, please contact your local distributor for details.

† All XJRunner features – only works with an XJRunner plugged into the same PC.

XJDeveloper

A graphical application to develop and debug test systems for your boards including connection testing, programming and tests for non-JTAG devices.

XJDeveloper – no UUT debug

For test preparation only. TAP port(s) disabled, no debug capability on the Unit Under Test (UUT). Can be upgraded.

XJDemo & Tutorials

The XJDemo board and interactive tutorials guide you through developing your first test system with XJTAG.

XJIO/PCI Boards

XJIO: 208 I/O, 8 A/D, 8 D/A, RS232/UART, buttons, LEDs. **XJIO-PCI**: 96 I/O, 8 A/D, 8 D/A, RS232/UART, 3.3V PCI 64bit connector.

XJInvestigator

Integrated test and debug environment for fault analysis. Ability to run XJDeveloper tests. Interactive graphical view of pins and circuit element visualisation.

XJAnalyser

A visual analysis and debugging tool for devices in your JTAG chain, with interactive graphical view of pins on the JTAG devices.

Layout & Schematic Viewers

GUI tools that help understand and visualise where circuit elements and faulty nets are physically located on the board under test.

Support & Maintenance

Email and phone technical support, release updates, XJEase Libraries, website login area, product upgrade discounts.

XJRunner

A run-time environment for executing XJDeveloper tests. Includes serial numbers, project management and test result logging.

Slave controller

All XJRunner features. Only works with an XJRunner plugged into the same PC. Multiple Slaves allow parallel testing, programming.

3rd Party Integration

Allows you to integrate XJTAG with ATEs or test executives such as NI LabVIEW™, NI LabWindows™, Visual Basic and C#.

Customisation / Consultancy Service

We can produce customised versions of XJTAG, configure your boards and develop XJEase scripts to meet your unique requirements.

XJEase Model Library

Script libraries to test and/or program devices including Flash, RAM, Ethernet, A/D, Logic, I²C, SPI and PCI.

JTAG Chain Debugger

JTAG Chain Debugger helps you troubleshoot a faulty JTAG chain. Check individual JTAG pins, calculate maximum JTAG clock speed.

XJFlash

Using the XJFlash module, we can improve your flash programming speeds up to 50-fold with certain flash/FPGA configurations.

XJDirect

XJDirect gives you complete control of the JTAG TAP. This flexibility can allow access to processor debug functionality.

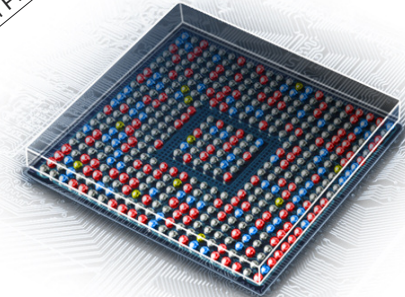# XJTAG Product List 2014 · Hardware

www.xjtag.com

XJTAG is easy to use on multiple machines. Licences are not locked to a PC; they can be stored in the hardware interface or taken from a network license server, while any of these portable hardware options allow you to connect your computer with your circuit.

Select your hardware features		Connection	Configurable voltages	Frequency measurements	Voltage banks	Voltage measurements	Number of JTAG controllers	TAPs per JTAG controller	GPIO on pins	Adjustable JTAG signal termination	Automatic signal skew control	Adjustable signal slew	Button to start tests	Visual indication of test status	TCK frequencies up to (MHz)	Digital Oscilloscope	Spectrum Analyser	Waveform & Function Generator	Serial Protocols Analyser
Expert ADF-2	Advanced digital features**	USB	✓	✓	✓	✓	1	4	✓	✓	✓	✓			166	✓	✓	✓	✓
XJLink2	Benchtop development and test	USB	✓	✓	✓	✓	1	4	✓	✓	✓	✓	✓	✓	166				
PXI-XJLink2	LabVIEW integration	PXI	✓	✓	✓	✓	1	4	✓	✓	✓	✓		✓	166				
XJLink2 3070 [NEW]	High volume / test integration	Agilent Utility Card	✓	✓	✓	✓	1	4	✓	✓	✓	✓			166				
XJQuad	Production	USB	✓	✓	✓	✓	4	4	✓	✓	✓	✓	✓	✓	166				
XJLink	Legacy project support	USB					1	1					✓		50				

Expert ADF-2

XJTAG Expert is the world's first portable Boundary Scan / Oscilloscope test solution. Its USB-to-JTAG adapter provides a high speed interface to the JTAG chain while the advanced features make it easier to test, debug and repair a wide range of circuit boards.

**Advanced digital features

- 200 MHz Digital Oscilloscope
- 200 MHz Spectrum Analyser
- Waveform & Function Generator
- Serial Protocols Analyser (CAN, I²C, SPI, RS232, UART)

XJLink2

XJLink2 is an enhanced portable JTAG controller using USB 2.0. The small, lightweight design means an XJLink2 can easily be taken to the Unit Under Test (UUT), while a number of advanced features make it easy to connect to a wide range of circuit boards.

PXI XJLink2

PXI XJLink2 allows you to easily use XJTAG in PXI-based test systems. A full set of integration interfaces and examples are installed with XJTAG to allow easy integration into test executives such as LabVIEW™ and LabWindows™ or bespoke .NET applications.

NEW XJLink2 3070

The XJLink2 3070, approved by Agilent Technologies, provides convenient, integrated access to XJTAG's powerful boundary scan test and programming tools from Agilent i3070 ICT machines.

- Fully integrated into the BTBasic environment
- Fits into one slot on the Agilent i3070 utility card
- Optionally fit multiple XJLink2 3070s per utility card

XJQuad

XJQuad is a 4-port version of the XJLink2 USB-to-JTAG controller. It is particularly suitable for manufacturers.

Can be used for testing 4 boards simultaneously or independently.

XJLink

XJLink is a portable JTAG controller using USB 2.0. The small, lightweight design means an XJLink can easily be taken to the Unit Under Test (UUT), while a number of advanced features make it easy to connect to a wide range of circuit boards.

Expansion Hardware		Order code	Prices
XJIO Board	208 I/O, 8 A/D, 8 D/A, RS232/UART, buttons, LEDs	XJTAG-IOC-0012	Please contact your local distributor for prices
XJIO-PCI Board	96 I/O, 8 A/D, 8 D/A, RS232/UART, 3.3V PCI 64bit connector	XJTAG-IOP-0011	