FlowCAD

XJTAG Boundary Scan Test

Product Comparison

Software

The XJTAG Development System contains the full suite of boundary scan applications – XJDeveloper, XJInvestigator, XJRunner and XJAnalyser.The XJTAG Professional Development System has all these software applications plus an XJIO board. This allows you to improve coverage by testing all the way through the connectors on your board.

Software Features	XJDeveloper	XJInvestigator	XJAnalyser	XJRunner
	Integrated Develop-ment Environment for creating JTAG test and programming systems	Integrated test and debug environment for board repair/rework	Real-time visual analysis and debugging tool for devices in your JTAG chain	Run-time production test environment for executing XJDeveloper systems
Test & Programming Development	✓			
Test & Programming Execution	✓	✓		✓
Graphical Pin Display & Control		✓	✓	
Model Library for non-JTAG Devices	✓			
Interconnect/Connection Test	create + run	run		run
Detailed Fault Description	✓	✓		✓
Flash Programming	create + run	run		run
FPGA/CPLD Programming	create + run	run	create + run	run
Parallel Testing				✓
Layout Viewer	✓	✓		✓
Schematic Viewer	✓	✓		✓
Waveform Viewer		✓	✓	
Test Coverage Analysis & Reports	✓			
XJEase-Debugger	✓			
XJFlash Compatible	create + run	run		run
XJDirect Compatible	create + run	run		run
External DLL calls	create + run	run		run
Netlist Merging	✓	✓		✓
BSDL Editor	✓			
Testing Without Netlist	create + run	run		run
Logic Device Support	create + run	run		run
Fault Dictionary	create + run	create + run		create + run
3rd Party Integration				✓
Golden Scan / Golden Board Comparison		✓	✓	
Demo-Board and Tutorials	✓	✓	✓	✓
JTAG Chain Debugger	✓	✓	✓	✓
Support and Maintenance	✓	✓	✓	✓

Hardware

XJTAG is easy to use on multiple machines. Licenses 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.

Hardware Features	Expert ADF-2	XJLink2	PXI-XJLink2	XJLink2-3070	XJLink2-CFM	XJQuad	XJLink
Configurable Voltage	✓	✓	✓	✓	✓	✓	
Frequency Measurements	✓	✓	✓	✓	✓	✓	
Voltage Banks	✓	✓	✓	✓	✓	✓	
Voltage Measurements	✓	✓	✓	✓	✓	✓	
Number of JTAG Controllers	1	1	1	1	1	4	1
TAPs per JTAG Controller	4	4	4	4	4	4	1
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)	166 MHz	166 MHz	166 MHz	166 MHz	166 MHz	166 MHz	50 MHz
Digital Oscilloscope	✓						
Spectrum Analyser	✓						
Waveform & Function Generator	✓						
Serial Protocols Analyser	✓						
Connection	USB	USB	PXI	Keysight (Agilent) i3070	Teradyne TestStation	USB	USB

Try XJTAG Boundary Scan with your own board

- Advanced tools for testing, debugging & programming complex electronic boards and systems
- Works with most PCBs: uses the JTAG protocol built into FPGAs, CPLDs and most CPUs
- All XJTAG software with full features + JTAG controller hardware + Interactive tutorials + Tech support

30 Days Free Trial

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