

Overview

The XJLink2 is a small, portable, USB 2.0 to JTAG controller that provides a high speed interface to the JTAG chain.

The small, lightweight design means the XJLink2 can easily be moved to the Unit Under Test (UUT), while a number of advanced features make it easy to connect to a wide range of circuit boards.

Your test system where you want it

The XJLink2 contains the license for your XJTAG system. This allows you to easily move your licenses around on and off site to give you maximum flexibility. This also means you aren't tied to one machine to do your XJTAG testing.



Available in black and yellow.*

Light & portable

The XJLink2 can work with a laptop PC with a USB port and can supply power to low-power target systems, so testing can be done even without a source of mains power. This is especially useful if testing has to be done in the field or in a very busy lab.

*Subject to availability.

Configurable JTAG interface

Only a simple cable assembly is required to connect to up to 4 TAPs on your target board — no extra adapters needed. The 20-way connector on the XJLink2 is configurable from your test system. The ability to change the pinmap for the JTAG signals simplifies the process of connecting your XJTAG test system to the Unit Under Test.

Advanced connectivity

The XJLink2 has variable signal termination, so it can handle boards both with and without signal termination. The advanced auto-skew control enables you to get the maximum frequency out of your JTAG chain and cable while the configurable voltage levels allow you to connect directly to most TAPs.

Key Benefits

- Small, lightweight, portable design: ideal for lab and field work
- Self-contained licence allowing you to use the XJTAG system on multiple machines
- Re-configurable unit for multiple UUTs saving costs

Features

- Up to 4 TAP connections to UUT
- Handles different cable and board configurations
- USB bus-powered (no external PSU)
- TCK clock frequencies up to 166 MHz
- Two different voltages can be configured, from 1.1 V to 3.3 V in 0.1 V steps
- Button to start test
- Visual indication of test status
- High speed USB 2.0 interface, backwards compatible with USB 1.0 & 1.1
- Adjustable JTAG signal termination
- Spare pins on the JTAG connector can be used in place of the button or to indicate the test status
- Pins can also be used as general purpose I/O during testing, for example for fast Flash programming
- Automatic signal skew control
- Can supply power to the target board (3.3 V, <100 mA)
- Built in voltage meter on all I/O pins
Voltage input: Min 0, Max 5 V
- Frequency counter on all I/O pins
Frequency input: Min 1 Hz, Max 200 MHz
Selectable measurement period of 1ms, 10ms, 100ms, 1s, 10s
- JTAG signals are +5 V tolerant



- Configurable voltages
- Frequency measurements
- Voltage banks
- Voltage measurements
- Number of JTAG controllers
- TAPs per JTAG controller
- GPIO on pins
- Adjustable JTAG controller
- Automatic JTAG signal termination
- Adjustable signal skew control
- Button to start tests
- Visual indication of test status
- TCK frequencies up to (MHz)
- Digital Oscilloscope
- Spectrum Analyser
- Waveform & Function Generator
- Serial Protocols Analyser

Hardware features														Connection					
Expert ADF-2	Advanced digital features*	✓	✓	✓	✓	1	4	✓	✓	✓	✓	✓	✓	166	✓	✓	✓	✓	USB
XJLink2	Benchtop development and test	✓	✓	✓	✓	1	4	✓	✓	✓	✓	✓	✓	166					USB
PXI-XJLink2	LabVIEW integration	✓	✓	✓	✓	1	4	✓	✓	✓	✓	✓	✓	166					PXI
XJLink2 3070	High volume / test integration	✓	✓	✓	✓	1	4	✓	✓	✓	✓	✓	✓	166					Agilent Utility Card
XJQuad	Production	✓	✓	✓	✓	4	4	✓	✓	✓	✓	✓	✓	166					USB



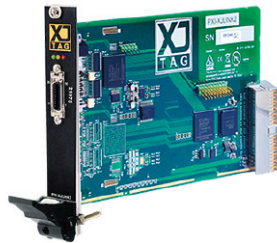
XJTAG Expert ADF-2

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)



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.



XJLink2 3070

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 four boards simultaneously or independently.

These hardware interfaces allow you to connect your circuit to the XJTAG software running in your PC. Software licenses can be stored in the hardware interface or taken from a network license server, making XJTAG easy to use on multiple machines because it is not locked to one particular PC.

Distributor / Technology Partner