

ReadMe ProtocolTester 3.7.22 - USB Analyzer & Jammer

March 07, 2013

- Version: 3.7.22
- Host Fallback Image: 1.0E build 63
- Host FPGA Image: 1.32 build 288
- Analyzer Startup Script: 0.08 build 0
- Jammer Startup Script: 0.02 build 0
- Analyzer FPGA Image: 0.0F build 34
- Jammer FPGA Image: 0.03 build 59
- Phy Fallback Image: 0.01 build 16
- Phy FPGA Image: 0.07 build 38

Overview

Validate and debug your USB design with the industry's fastest and deepest USB 3.0/2.0 protocol analyzer and the industry's only USB 3.0 jammer. Agilent's new USB 3.0/2.0 analyzers combine the industry's deepest trace buffers – up to 18 GB – with its most powerful triggering engine. The new USB 3.0 jammer makes it possible for engineers to inject specific errors into their system under test with precision. These combined capabilities allow engineers to push their USB designs to their limits – and beyond – enabling them to quickly validate and troubleshoot their designs with confidence.

For more information on USB Analyzer & Jammer, please visit:

<http://www.agilent.com/find/usb-protocol>

Current OSes supported

- Windows XP 32/64, Vista 32/64, Server 2003 / 2008, Windows 7 32/64

Important usage notes

1. Unzip the installer ProtocolTesterX.X.X.zip file; launch the Setup_ProtocolTester.exe to begin installation.
2. Connect the analyzer to either a PCIe card or an Ethernet connection (PCIe is much faster).
3. Switch on the module and start the Protocol Tester software from the Windows Start menu.
4. The first window you see (after the splash screen) is the Capture Control window.
5. Select an Analyzer or Jammer.

6. Set Up Capture Settings - Device Settings, Filter Settings, and Trigger Setup and press Start button to start capture.
7. While testing USB 2.0 devices use only USB 2.0 cables.

Refer to Help for details on how to install and use this package.

Known Issues

1. Sync Flow FIFO error while capturing trace:

"Sync Flow FIFO" error appears sometimes while capturing trace using Analyzer

Workaround: Restart the measurement and capture again

2. 10b Error and Link Calibration Issues:

You can access the Calibration Settings by going to View->Calibration Settings,

refer to Help > Support > Calibration Settings for further information.

3. Flash memory is corrupted when updating Firmware over PCIe cable:

Workaround: Update firmware on the module using the Ethernet cable.

Software Version History

SW 3.7.22

New Features

1. Real time statistics for USB 3.0 and USB 2.0
2. LTSSM real time graph
3. New HID device class

SW 3.6.2

Bug fixes

1. SAD00448420: Analyzer will not display 10b codes
2. SAD00447933: Jammer-Modify Packet does not work