

D9010EBZC 10GBASE-T Ethernet Compliance Test Application

Keysight D9010EBZC Software Version 1.80.3.0

Release Date:	April 5, 2023
Requirements Category (e.g., operating system):	Microsoft Windows 10
Requirements Category (e.g., instrument software version):	11.50.00401 (UXR/UXR-B Series) 6.73.00102 (9000 Series, S-Series, 90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series) 11.50.00402 (MXR/MXR-B Series)
File Name:	SetupInf10GBASE-T_Ethernet01800003.exe
License:	Please see the product data sheet on Keysight.com

New Feature

- Support UXR-B and MXR-B Series oscilloscope.

Modification

- Update with Keysight License Manager 5.

Keysight D9010EBZC Software Version 1.80.0.0

Release Date:	January 06, 2023
Requirements Category (e.g., operating system):	Microsoft Windows 10
Requirements Category (e.g., instrument software version):	11.30.00406 (UXR-Series) 6.73.00102 (9000 Series, S-Series, 90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series) 11.30.00406 (MXR-Series)
File Name:	SetupInf10GBASE-T_Ethernet01800000.exe
License:	Please see the product data sheet on Keysight.com

Enhancement

- Added remote commands for connecting the External Instruments and browse to the balun correction files to the specific path for all pairs.

Bug Fix

- Fixed incorrect Transmitter Power Spectral Density test limit line for all data rates.

- Keysight D9010EBZC Software Version 1.70.0.0

Release Date:	December 18, 2020
Requirements Category (e.g., operating system):	Microsoft Windows 7
Requirements Category (e.g., instrument software version):	10.25.00902 (UXR-Series) 6.55.00504 (9000 Series, S-Series, 90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series) 11.06.00401 (MXR-Series)
File Name:	SetupInf10GBASE-T_Ethernet01700000.exe
License:	Please see the product data sheet on Keysight.com

New Feature

- Support MXR.

Bug Fix

- Fixed the test report comment does not show in the test report issue.

Keysight D9010EBZC Software Version 1.67.0.0

Release Date:	June 12, 2020
Requirements Category (e.g., operating system):	Microsoft Windows 7
Requirements Category (e.g., instrument software version):	10.20.00503 (UXR-Series) 6.55.00401 (9000 Series, S-Series, 90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series)
File Name:	SetupInf10GBASE-T_Ethernet01670000.exe
License:	Please see the product data sheet on Keysight.com

New Features

- Add ability to insert four lanes of Balun compensation files.
- Option to use any signal generator for Injecting signal.

Known issues

- Test report comment does not show in the test report.
- Switch Matrix: Non-Linearity tests do not show mode change prompt before each test when 'Suppress change pair prompt'.

Keysight D9010EBZC Software Version 01.66.0004

Release Date:	September 20, 2019
Requirements Category (e.g., operating system):	Microsoft Windows 7
Requirements Category (e.g., instrument software version):	10.11.04711 (UXR-Series) 6.40.01001 (9000 Series, S-Series, 90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series)
File Name:	SetupInf10GBASE-T_Ethernet01660004.exe
License:	Please see the product data sheet on Keysight.com

Bug Fix

- Fixed Resolution Bandwidth (Transmitter Linearity Test) unable to configure issue.

Keysight D9010EBZC Software Version 01.66.0003

Release Date:	August 23, 2019
Requirements Category (e.g., operating system):	Microsoft Windows 7
Requirements Category (e.g., instrument software version):	10.11.04711 (UXR-Series) 6.40.01001 (9000 Series, S-Series, 90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series)
File Name:	SetupInf10GBASE-T_Ethernet01660003.exe
License:	Please see the product data sheet on Keysight.com

Bug Fix

- Fixed Transmitter Nonlinear Distortion Tests issue.

Keysight D9010EBZC Software Version 01.66.0002

Release Date:	July 18, 2019
Requirements Category (e.g., operating system):	Microsoft Windows 7
Requirements Category (e.g., instrument software version):	10.10.04514 (UXR-Series) 64.00.00806 (9000 Series, S-Series, 90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series)
File Name:	SetupInf10GBASE-T_Ethernet01660002.exe
License:	Please see the product data sheet on Keysight.com

Bug Fix

- Fixed 875x NA connection issue.

Keysight D9010EBZC Software Version 01.66.0001

Release Date:	June 11, 2019
Requirements Category (e.g., operating system):	Microsoft Windows 7
Requirements Category (e.g., instrument software version):	10.10.04514 (UXR-Series) 64.00.00806 (9000 Series, S-Series, 90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series)
File Name:	SetupInf10GBASE-T_Ethernet01660001.exe
License:	Please see the product data sheet on Keysight.com

Miscellaneous Notes

- Product Number is updated from “U7236A/U7236B” to “D9010EBZC”

New Features

- New Graphical User Interface (GUI)
- Support Cygnet

Bug Fix

- Fixed Switch Matrix issue.

Known Defect

- There is no license found message when user clicks on Tools>Infiniium>InfiniSim or Precision Prob if InfiniSim & Precision Prob are unavailable in the scope.

Keysight U7236A/U7236B Software Version 01.65.0000

Release Date:	April 19, 2019
Requirements Category (e.g., operating system):	Microsoft Windows 7
Requirements Category (e.g., instrument software version):	10.05.04305 (UXR-Series) 6.30.01102 (9000 Series, S-Series, 90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series)
File Name:	SetupInf10GBASE-T_Ethernet01650000.exe
License:	Please see the product data sheet on Keysight.com

New Feature

- Support IEEE 802.3 2018 specification.

Keysight U7236A/U7236B Software Version 01.64.0000

Release Date:	November 28, 2018
Requirements Category (e.g., operating system):	Microsoft Windows 7
Requirements Category (e.g., instrument software version):	10.00.03902 (UXR-Series) 6.30.00609 (9000 Series, S-Series, 90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series)
File Name:	SetupInf10GBASE-T_Ethernet01640000.exe
License:	Please see the product data sheet on Keysight.com

New Feature

- Supports Infiniium Oscilloscope Software version 10.00.03902 for UXR-Series Oscilloscope.

Keysight U7236A/U7236B Software Version 01.63.0000

Release Date:	October 08, 2018
Requirements Category (e.g., operating system):	Microsoft Windows 7
Requirements Category (e.g., instrument software version):	6.30.00609 (9000 Series, S-Series, 90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series)
File Name:	SetupInf10GBASE-T_Ethernet01630000.exe
License:	Please see the product data sheet on Keysight.com

New Feature

- Supports for Infiniium Oscilloscope Software version 6.30.

Keysight U7236A/U7236B Software Version 01.62.0000

Release Date:	January 03, 2018
Requirements Category (e.g., operating system):	Microsoft Windows 7
Requirements Category (e.g., instrument software version):	6.10.00609 (9000 Series, S-Series, 90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series)
File Name:	SetupInf10GBASE-T_Ethernet01620000.exe
License:	Please see the product data sheet on Keysight.com

Enhancements

- Supports N52XX PNA.
- Supports TIE measurement for Transmitter Jitter Test.
- Added support of using Diff probe with SMA adapter.
- Added supports for external instrument remote command.

- Support SFDR with sine wave interference injection for 2.5G NBase-T.

Bug Fixes

- Fixed Limit issue of Droop Test.
- Fixed the External Instrument SICL address issue.
- Fixed MGBase-T and NBase-T licenses issue.
- Fixed the Return Loss Test Limit for NBase-T.
- Fixed issue running Linearity using SA.
- Fixed the Transmitter Timing Jitter(slave) limit.

Keysight U7236A/U7236B Software Version 01.60.0000

Release Date:	March 29, 2017
Requirements Category (e.g., operating system):	Microsoft Windows 7
Requirements Category (e.g., instrument software version):	6.00.00537 (9000 Series, S-Series, 90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series)
File Name:	SetupInf10GBASE-T_Ethernet01600000.exe
License:	Please see the product data sheet on Keysight.com

New Feature

- Supports for Infiniium Oscilloscope Software version 6.00.

Keysight U7236A/U7236B Software Version 01.50.0000

Release Date:	May 11, 2016
Requirements Category (e.g., operating system):	Microsoft Windows 7
Requirements Category (e.g., instrument software version):	4.60 (9000 Series, S-Series, 90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series)
File Name:	SetupInf10GBASE-T_Ethernet01500000.exe
License:	Please see the product data sheet on Keysight.com

New Feature

- Added support for NBASE-T.

Keysight U7236A/U7236B Software Version 01.44.0000

Release Date:	July 30, 2015
Requirements Category (e.g., operating system):	Microsoft Windows 7
Requirements Category (e.g., instrument software version):	4.60 (9000 Series, S-Series, 90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series)
File Name:	SetupInf10GBASE-T_Ethernet01440000.exe
License:	Please see the product data sheet on Keysight.com

New Features

- Support for MGBASE-T.
- Support for testing using saved waveforms.

Keysight U7236A/U7236B Software Version 01.43.0000

Release Date:	April 18, 2015
Requirements Category (e.g., operating system):	Microsoft Windows 7
Requirements Category (e.g., instrument software version):	4.60 (90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series)
File Name:	SetupInf10GBASE-T_Ethernet01430000.exe
License:	Please see the product data sheet on Keysight.com

New Feature

- Supports for Infiniium Oscilloscope Software version 5.50.

Bug Fix

- Fixed measurement issue with Power Level Test.

Agilent U7236A/U7236B Software Version 01.42.0000

Release Date:	July 25, 2014
Requirements Category (e.g., operating system):	Microsoft Windows 7
Requirements Category (e.g., instrument software version):	4.60 (90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series)
File Name:	SetupInf10GBASE-T_Ethernet01420000.exe

New Feature

- Support for switch matrix testing.

Agilent U7236A/U7236B Software Version 01.41.0000

Release Date:	June 19, 2014
Requirements Category (e.g., operating system):	Microsoft Windows 7
Requirements Category (e.g., instrument software version):	4.60 (90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series)
File Name:	SetupInf10GBASE-T_Ethernet01410000.exe

Bug Fix

- Fixes for Oscilloscope Software version 5.00.

Agilent U7236A/U7236B Software Version 01.40.0000

Release Date:	May 30, 2014
Requirements Category (e.g., operating system):	Microsoft Windows 7
Requirements Category (e.g., instrument software version):	4.60 (9000 Series, S-Series, 90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series)
File Name:	SetupInf10GBASE-T_Ethernet01400000.exe

New Feature

- Supports for Infiniium Oscilloscope Software version 5.00.

Agilent U7236A Software Version 01.35.0000

Release Date:	April 25, 2014
Requirements Category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7,
Requirements Category (e.g., instrument software version):	5.71 (80000 Series) 3.00 (90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series)
File Name:	SetupInf10GBASE-T_Ethernet01350000.exe

New Feature

- Added option to change number of averages for power test, PSD test and Transmitter linearity test using spectrum analyzer.

Note: This will be the last version to support Infiniium 80000 Series and Infiniium Oscilloscope Baseline Version 4.20.

Agilent U7236A Software Version 01.34.0000

Release Date:	March 14, 2014
Requirements Category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
Requirements Category (e.g., instrument software version):	5.71 (80000 Series) 3.00 (90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series)
File Name:	SetupInf10GBASE-T_Ethernet01340000.exe

New Feature

- Added spectral analysis using oscilloscope (90000 series only).

Bug Fix

- Fixed missing image in Return Loss test.

Agilent U7236A Software Version 01.33.0000

Release Date:	August 17, 2012
Requirements Category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
Requirements Category (e.g., instrument software version):	5.71 (80000 Series) 3.00 (90000 Series, 90000 X-Series)
File Name:	SetupInf10GBASE-T_Ethernet01330000.exe

New Feature

- Added option to enable or disable bandpass filter in Jitter tests.
- Added option to suppress part connection prompt when a single pair is selected.

Enhancement

- Added timeout to transmitter linearity test.

Bug Fixes

- Fixed averaging not performed on power level test.
- Fixed variance between captured value and screenshot for power level test.
- Replaced incorrect balun correction files.

Agilent U7236A Software Version 01.32.0001

Release Date:	April 24, 2012
Requirements Category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
Requirements Category (e.g., instrument software version):	5.71 (80000 Series) 3.00 (90000 Series, 90000 X-Series)
File Name:	SetupInf10GBASE-T_Ethernet01320000.exe

New Feature

- Added option to change timeout for power level test.

Bug Fixes

- Fixed “entry point not found” error in returnloss.dll.
- Fixed difference between measured value and screenshot in power level test.

Agilent U7236A Software Version 01.31.0000

Release Date:	September 04, 2012
Requirements Category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
Requirements Category (e.g., instrument software version):	5.71 (80000 Series) 3.00 (90000 Series, 90000 X-Series)
File Name:	SetupInf10GBASE-T_Ethernet01310000.exe

New Feature

- Support Win7 OS.

Agilent U7236A Software Version 01.30.0000

Release Date:	April 15, 2011
Requirements Category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
Requirements Category (e.g., instrument software version):	5.71 (80000 Series) 3.00 (90000 Series, 90000 X-Series)
File Name:	SetupInf10GBASE-T_Ethernet01300000.exe

New Feature

- MDIO port address is now configurable.

Enhancement

- Improve Test Pair name display on html report.

Agilent U7236A Software Version 01.20.0000

Release Date:	November 30, 2010
Requirements Category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7,
Requirements Category (e.g., instrument software version):	5.71 (80000 Series) 3.00 (90000 Series, 90000 X-Series)
File Name:	SetupInf10GBASE-T_Ethernet01200000.exe

New Feature

- Test pairs permutation. User can choose to test ONE test pair or ALL test pairs in one run.
- Tests will run in a vertical sequence.
- All test pairs results can reside in one project. Creating new project is not required.

Enhancement

- Less connection pop-ups when using MDIO automation.

Agilent U7236A Software Version 01.10.0000

Release Date:	September 30, 2010
Requirements Category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7,
Requirements Category (e.g., instrument software version):	5.71 (80000 Series) 3.00 (90000 Series, 90000 X-Series)
File Name:	SetupInf10GBASE-T_Ethernet01100000.exe

New Features

- Added MDIO automation support.
- Added support for DSOX90000 series.

Agilent U7236A Software Version 01.02.0000

Release Date:	May 04, 2010
Requirements Category (e.g., operating system):	Microsoft Windows XP
Requirements Category (e.g., instrument software version):	5.70 (80000 Series) 2.10 (90000 Series)
File Name:	SetupInf10GBASE-T_Ethernet01020000.exe

New Feature

- Added in Balun correction features.

Enhancements

- Changed DUT test mode requirement to Test mode 2 when Clock Frequency test is selected to execute.
- Improve Linearity test algorithm if the DUT inter-modulation frequency of 2 tone frequency pair is too low.

Agilent U7236A Software Version 01.00.0000

Release Date:	October 09, 2008
Requirements Category (e.g., operating system):	Microsoft Windows XP
Requirements Category (e.g., instrument software version):	5.70 (80000 Series) 1.21 (90000 Series)
File Name:	SetupInf10GBASE-T_Ethernet0100.exe

Initial Release