

# Keysight AE6910T/AE6920T Automotive Ethernet Infiniium Compliance App

Keysight AE6910T/AE6920T Software Version 01.80.0000

Release Date:	February 05, 2024
Operating System:	Microsoft Windows 10
Minimum Instrument Software Version:	6.74.00701 (9000 Series, S-Series, 90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series) 11.52.00001 (UXR-Series, MXR-Series, EXR-Series)
File Name:	SetupInfAutomotiveEthernet01800000.exe
License:	AE6910T or AE6920T

## New Features

- Application now provides the user option in GUI to enable the waveform data to be captured and saved in Oscilloscope for Oscilloscope, VNA and Spectrum Analyzer in the format of \*.wfm, \*h5, \*.csv, \*.state, \*.cst.
- Application now supports MDI Return Loss Test for 10BASE-T1S.
- Application now displays an hourglass when running the test as an indicator of the test progress.
- Application now supports Power Level Test in 1000BASE-T1 ECU for Two Channels.
- Application no longer supports System Clock in GUI.
- Application now provides Infiniium probe configuration when the user chooses One Channel for Multigig.

## Enhancements

- Application has undergone numerous field name enhancements in GUI.

## Bug Fixes

- Fixes a bug for 100/1000BASE-T1 Clock Frequency Test Difference between MXR and N9030B.
- Application now supports Case 3 instead of Case 1 for Open Alliance 1000BASE-T1 ECU TestMode2.

## Keysight AE6910T/AE6920T Software Version 01.70.0000

Release Date:	September 12, 2023
Operating System:	Microsoft Windows 10
Minimum Instrument Software Version:	6.74.00402 (9000 Series, S-Series, 90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series) 11.30.00406 (UXR-Series, MXR-Series, EXR-Series)
File Name:	SetupInfAutomotiveEthernet01700000.exe
License:	AE6910T or AE6920T

## New Features

- Application now supports v1.0 of the 1000BASE-T1 OPEN Alliance TC8 Automotive Ethernet ECU Test Specification Layer 1.
- Application now provides the user options to configure InfiniiMax probes for 802.3ch (2.5/5/10G) when selecting the Single Differential Probe option in the Setup tab.
- Application now supports Power level test for 1000BASE-T1 when selecting the Two Oscilloscope Channel option in Setup Tab.

## Bug Fixes

- Splash screen application name is no longer truncated during launch.
- Fixes a bug when calibrating the 33622A signal generator.
- Fixes a bug where saved project/application settings were incorrectly recalled.

## Keysight AE6910T/AE6920T Software Version 01.61.0000

Release Date:	August 01, 2023
Operating System:	Microsoft Windows 10
Minimum Instrument Software Version:	6.71.00202 (9000 Series, S-Series, 90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series) 11.25.00101 (UXR-Series, MXR-Series, EXR-Series)
File Name:	SetupInfAutomotiveEthernet01610000.exe
License:	AE6910T or AE6920T

### Bug Fixes

- Fixes a bug which causes application to crash when launched.

## Keysight AE6910T/AE6920T Software Version 01.60.0000

Release Date:	April 17, 2023
Operating System:	Microsoft Windows 10
Minimum Instrument Software Version:	6.71.00202 (9000 Series, S-Series, 90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series) 11.25.00101 (UXR-Series, MXR-Series, EXR-Series)
File Name:	SetupInfAutomotiveEthernet01600000.exe
License:	AE6910T or AE6920T

### New Features

- Added the Iterations config variable. This allows the user to configure and set the number of runtime test iterations.
- Application now allows user to save VNA trace data in CSV format.
- Application now supports TC8 ECU Specification v3.0. Application previously supported v2.0 of the specification.

## Enhancements

- All application windows forms converted to WPF with a new look and feel. This includes a pop-up window once an instrument is successfully connected.
- Application now prompts an error notification if a wrong instrument type is being connected.
- Updated Keysight Licensing to version 5.5.x.

## Bug Fixes

- Fixes a bug when running MultiGig Linearity Test using an InfiniiMax probe + SMA head.
- Fixes a bug for 100BASE-T1 Open Alliance ECU test, where number of VNA averages defaulted to 16 as per specification.
- Fixes a bug for better clarity; the “Signal Source” field in the HTML or saved test report is now changed to “Spectral Measurement Device”.
- Fixes a bug where during screen/image capture of the VNA, previously enabled PASS/FAIL dialog box is now removed. This dialog box would end up overlapping the trace data.

## Keysight AE6910T/AE6920T Software Version 01.50.0000

Release Date:	February 18, 2022
Operating System:	Microsoft Windows 10
Minimum Instrument Software Version:	6.71.00202 (9000 Series, S-Series, 90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series) 11.25.00101 (UXR-Series, MXR-Series, EXR-Series)
File Name:	SetupInfAutomotiveEthernet01500000.exe
License:	AE6910T or AE6920T

## New Features

- Addition of the Mode Conversion Loss test for IEEE 802.3bw standard (100 Mbps).

## Enhancements

- At launch, the application now checks and warns if the minimum Bandwidth requirement is not sufficient when the AE6920T license is installed.
- Revised connection images for some of the tests.

## Bug Fixes

- Fixes a bug where the application required user to confirm a connection change at runtime even though no change in physical connection was required.
- Fixes a bug where tests were not being able to run in offline mode.
- Fixes a bug where the Power Level test was being compensated when using a differential probe.

## Keysight AE6910T/AE6920T Software Version 01.40.0000

Release Date:	July 30, 2021
Operating System:	Microsoft Windows 10
Minimum Instrument Software Version:	6.60.00802 (9000 Series, S-Series, 90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series) 11.15.00201 (UXR-Series, MXR-Series, EXR-Series)
File Name:	SetupInfAutomotiveEthernet01400000.exe
License:	AE6910T or AE6920T

## New Features

- Addition of the Return Loss test for IEEE 802.3ch standard for data rates of 2.5Gbps, 5Gbps and 10Gbps.

## Enhancements

- Application now supports the PNA-L Series Network Analyzers (manual calibration).
- Addition of the Scope Offline Capture Type config variable. This allows the user to set the scope type used to capture the offline waveform and is required for runtime analysis.

## Bug Fixes

- Fixes a bug where the application required the VNA to be connected online during offline mode analysis.
- Fixes a bug where config variables were not being updated at runtime.

## Keysight AE6910T/AE6920T Software Version 01.30.0000

Release Date:	March 31, 2021
Operating System:	Microsoft Windows 10
Minimum Instrument Software Version:	6.60.00403 (9000 Series, S-Series, 90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series) 10.20.00503 (UXR-Series) 11.06.00501 (MXR-Series)
File Name:	SetupInfAutomotiveEthernet01300000.exe
License:	AE6910T or AE6920T

## New Features

- Application is now called AE6910T/AE6920T Automotive Ethernet Infiniium Compliance App.
- Supports the IEEE 802.3ch standard for data rates of 2.5Gbps, 5Gbps and 10Gbps.
- Application now requires either the AE6910T or AE6920T license to function. Option AE6910T supports data rates 10Mbps through 5Gbps. Option AE6920T supports data rates 10Mbps through 10Gbps.

## Keysight AE6910T Software Version 01.20.0000

Release Date:	August 31, 2020
Operating System:	Microsoft Windows 10
Minimum Instrument Software Version:	6.50.01004 (9000 Series, S-Series, 90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series) 10.20.00503 (UXR-Series) 11.00.02103 (MXR-Series)
File Name:	SetupInfAutomotiveEthernet01200000.exe

### New Features

- Supports the MXR-Series Oscilloscopes.

## Keysight AE6910T Software Version 01.10.0000

Release Date:	May 22, 2020
Operating System:	Microsoft Windows 10
Minimum Instrument Software Version:	6.50.01004 (9000 Series, S-Series, 90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series) 10.20.00503 (UXR-Series)
File Name:	SetupInfAutomotiveEthernet01100000.exe

### New Features

- Supports the UXR-Series Oscilloscopes.
- Supports the 10Base-T1S standard.
- Supports Automated VNA measurements (including calibration) for E5080B, P500xx and M980xx.
- Addition of the 2MHz Bandpass filter for 1000Base-T1 jitter measurements.

## Enhancements

- Enhanced TM4 disturber correlation between using 10MHz Reference Clock and Clock Recovery Algorithm.
- GUI Update on Setup Tab/Screen.

## Keysight AE6910T Software Version 01.00.0000

Release Date:	August 31, 2019
Operating System:	Microsoft Windows 7
Minimum Instrument Software Version:	6.30.00701 (9000 Series, S-Series, 90000 Series, 90000 X-Series, 90000 Q-Series, Z-Series)
File Name:	SetupInfAutomotiveEthernet01000000.exe

## Initial Release



