Keysight M924x InfiniiVision PXIe Oscilloscopes

Version 7.60.2023080427

Release Date:	15 September 2023
Instrument software version:	Revision 7.60.2023080427
File Name:	infiniivision.M924x.x64.7.60.2023080427.exe
	infiniivision.M924x.x86.7.60.2023080427.exe

Bug Fixes

This software revision includes the following Bug fixes:

- Corrected SCPI query return result for :CHANnel<n>:BANDwidth?

KEYSIGHT

Version 7.57.2023033130

Release Date:	17 April 2023
Instrument software version:	Revision 7.57.2023033130
File Name:	infiniivision.M924x.x64.7.57.2023033130.exe
	infiniivision.M924x.x86.7.57.2023033130.exe

Bug Fixes

This software revision includes the following Bug fixes:

- For analog channels, a $50\,\Omega$ impedance setting is no longer persisted when the scope power is cycled.
- Fixed FFT Analysis power measurements failing to start when installed using SCPI commands. Applies to:
  - o   :MEASure:FFT:ACPR
  - o   :MEASure:FFT:CPOWer
  - o   :MEASure:FFT:OBW
  - o   :MEASure:FFT:THD

Software Updates

- Updated Keysight License Manager and Keysight License Service to version 5.5.1.

Version 7.56.2022120228

Release Date:	15 December 2022
Instrument software version:	Revision 7.56.2022120228
File Name:	infiniivision.M924x.x64.7.56.2022120228.exe
	infiniivision.M924x.x86.7.56.2022120228.exe

Bug Fixes

This software revision includes the following Bug fixes:

- Corrected measurement results that indicate "No Signal" after executing a Single or Stopping an acquisition.

Version 7.55.2022071841

Release Date:	29 July 2022
Instrument software version:	Revision 7.55.2022071841
File Name:	infiniivision.M924x_x64.7.55.2022071841.exe
	infiniivision.M924x_x86.7.55.2022071841.exe

Bug Fixes

This software revision includes the following Bug fixes:

- Fixed phase measurement to measure from correct percentage point.

- Increased allowable maximum size of CAN .dbc symbolic files.

Version 7.50.2021110212

Released Date:	12 November 2021
Instrument software version:	Revision 7.50.2021110212
File Name:	infiniivision.M924x_x64.7.50.2021110212.exe
	infiniivision.M924x_x86.7.50.2021110212.exe

Minimum Requirements

- Operating system:

    o Windows 7 (32 bit and 64 bit) or later. See the Startup Guide for additional system requirements.

- Keysight IO Libraries Suite:

    o Version 17.2 (or later)

Bug Fixes

This software revision includes the following Bug fixes:

- Corrected issue where WaveGen inversion disappears at 50% duty cycle.

- Corrected issue where remote command :WMEM1:SAVE MATH1 does not behave the same as the front panel operation.

- Corrected issue where PXIe multi-module calibration and triggering using the KtScopeCal.exe tool was not working.

Version 7.40.2021031200

Released Date:	26 March 2021
Instrument software version:	Revision 7.40.2021031200
File Name:	infiniivision.M924x_x64.7.40.2021031200.exe
	infiniivision.M924x_x86.7.40.2021031200.exe

Minimum Requirements

- Operating system:

    o Windows 7 (32 bit and 64 bit) or later. See the Startup Guide for additional system requirements.

- Keysight IO Libraries Suite:

    o Version 17.2 (or later)

Bug Fixes

This software revision includes the following Bug fixes:

- Corrected wrong number of points returned for the first acquisition after changing acquisition settings.

- Corrected remote segments (WAV:SEGM:ALL ON) in ASCII format sends the wrong amount of data

Version 7.35.2020120822

Released Date:	15 December 2020
Instrument software version:	Revision 7.35.2020120822
File Name:	infiniivision.M924x_x64.7.35.2020120822.exe
	infiniivision.M924x_x86.7.35.2020120822.exe

Minimum Requirements

- Operating system:

  o Windows 7 (32 bit and 64 bit) or later. See the Startup Guide for additional system requirements.

- Keysight IO Libraries Suite:

  o Version 17.2 (or later)

Enhancements

This software revision includes the following new enhancements:

- Chart serial signal for CAN, LIN, and SENT protocols.

- Measurement limit test available with any bundled software license that includes mask testing.

- Channel external scaling.

- In Averaging acquisition mode, "Single" makes the number of acquisitions to average, then stops.

- Web interface VNC authentication.

- Band-pass filter math function.

- SCPI command additions and changes.

- Initial condition option on integrate math function.

- Delay measurements thresholds settings.

Bug Fixes

This software revision includes the following Bug fixes:

- Corrected CAN load counter freezes on SBUS2

- Restored Lister Data save option to the web interface.

- Corrected license files corrupted by email servers.

Version 7.31.2020012834

Released Date:	26 February 2020
Instrument software version:	Revision 7.31.2020012834
File Name:	infiniivision.M924x_x64.7.31.2020012834.exe
	infiniivision.M924x_x86.7.31.2020012834.exe

Minimum Requirements

- Operating system:

    o Windows 7 (32 bit and 64 bit) or later. See the Startup Guide for additional system requirements.

- Keysight IO Libraries Suite:

    o Version 17.2 (or later)

Enhancements

This software revision includes the following new enhancement:

- Added the oscilloscope's Host ID to the About Oscilloscope dialog. The Host ID is used to redeem licenses.

Bug Fixes

This software revision includes the following Bug fixes:

- Corrected the D3000BDLA ultimate bundle license to include the NFC trigger option.

- Changed the My Support Subscriptions table to show N/A for the Support Expiration and Status of legacy perpetual licenses, versus Expired.

- Changed the Installed Options section of the instrument web page to show N/A for the Support Expiration and Status of a legacy perpetual license, versus Expired.

- Networked printing via CUPS print server works correctly.

Version 7.30.2019051434

Released Date:	29 May 2019
Instrument software version:	Revision 7.30.2019051434
File Name:	infiniivision.M924x_x64.7.30.2019051434.exe
	infiniivision.M924x_x867.30.2019051434.exe

Minimum Requirements

- Operating system:

    o Windows 7 (32 bit and 64 bit) or later. See the Startup Guide for additional system requirements.

- Keysight IO Libraries Suite:

    o Version 17.2 (or later)

New Features

This software revision includes the following new capabilities:

- Added support for the following new models:

    o *M9240AUTB, M9240GENB, M9240AERB, M9240PWRB, M9240NFCB, M9240BDLB*

Enhancements

This software revision includes the following new enhancements:

- Added Digitizer Mode where you specify the sample rate and memory depth instead of having them automatically be determined by the time/division setting.

- Frequency Response Analysis (FRA):

    o The sweep frequency range is no longer limited to decade values.

    o The "points per decade" setting has been changed to "total points" for ease of use.

    o Chart:

        ▪ Minor gridlines for the horizontal axis are now shown to improve readability of the plot.

        ▪ The chart's horizontal display range is now independent of the Start/Stop Frequency setting in the Setup Menu.

- The full waveform data can now be exported while in Roll Mode.

- The `:WAV` subsystem now includes commands to download all segmented memory data in one shot.

- Measurement Trend Math can now be applied on Digital channels.

- The ":MEASure:YATX" and ":MEASure:TEDGe" measurements, previously a SCPI-only operation, are now accessible from the Measurement Menu.

- Added Slew Rate measurement.

- The Delay and count-based measurement can now be applied on Digital channels.

Bug Fixes

This software revision includes the following Bug fixes:

- Fixed an issue with the InfiniiVision Launcher help menu shortcut not working on 32-bit Windows.

- Corrected the NRZ serial decode from having an extra bit than the frame size when the Start-Bit is 0.

- Corrected ":MEASure:DELay:DEFine" for not accepting a definition that includes the "FALLing" edge parameter.

- Corrected the Reference Waveform data (.h5) from incorrectly saving data with twice the delay where is a delay on the displayed waveform.

- Corrected ":MEAS:SHOW?" always returning "1" regardless of the actual state.

- Fixed various LIN LDF file-parsing bugs.

- Fixed various issues related to the N7026A probe.

Changes

- As of version 7.30, the VNC server software for the remote front panel functionality is no longer bundled with the scope software by default. Upgrading to 7.30 will not delete the VNC server software from the scope, but new scopes will no longer ship with the VNC server software installed. For scopes without the software installed, the Browser Web Control page will provide a link for installing the software.

- As of version 7.30, the IVI-COM and LABView drivers that are bundled in the InfiniiVision package will appear as independent items in the list of installed Windows programs. Previously, these drivers were hidden from the list.

  - Some users with existing InfiniiVision installed (7.21 and prior) might have to first uninstall InfiniiVision and re-install the new 7.30 package to get the new behavior.

Version 7.21

Released Date:	06 April 2018
Instrument software version:	Revision 7.21.20180406
File Name:	infiniivision.M924x_x64.7.21.2018040622.exe
	infiniivision.M924x_x86.7.21.2018040622.exe

New Features

This software revision includes the following new capabilities:

- Added USB-PD (Power Delivery) triggering and decode option (M9240UPDA).

Enhancements

This software revision includes the following new enhancements:

- Added a SPI decode control for MISO bit delay.

- Added SENT SPC support.

- Minimum Manchester baud rate was decreased to 500bps.

- Added remote commands for gain margin and phase margin.

- Added a FRA option to display either gain or phase separately.

- Added :DISPlay:MESSage:CLEar command to dismiss "File Saved Successfully" message.

- Added remote command for setting FRA single-mode frequency.

- FRA now allows up to 100 points-per-decade.

- Random trigger holdoff is now allowed in additional trigger modes.

- Added support to load reference waveforms programmatically.

- Added support for the N7026A probe.

- Added support for XY and Roll modes.

- Adaptive Persistence is now on by default.

- Added minor enhancements to the Keysight InfiniiVision Launcher, including a model number column, sortable columns, and updated help.

- Installation on Windows 10 PCs using SecureBoot is now supported.

Bug Fixes

This software revision includes the following Bug fixes:

- An issue with handling CAN DBC signed integers has been corrected.

- Two channel measurements made with the N2820A probe are now functioning correctly.

Version 7.10

Released Date:	10 April 2017
Instrument software version:	Revision 7.10
File Name:	infiniivision.M924x_x64.7.10.2017041002.exe
	infiniivision.M924x_x86.7.10.2017041002.exe

New Features

This software revision includes the following new capabilities:

- Added Manchester/NRZ serial decode option (M9240NRZA).

Enhancements

This software revision includes the following new enhancements:

- The UART serial decode now supports baud rates to 12Mbits/s.

- The multi-module triggering feature now supports a synchronous trigger mode.

- Added random trigger holdoff feature.

- Support for the training signals feature was added.

- Added Adaptive Persistence mode.

- Added support to the NFC option for NFC-F reverse polarity triggering.

Bug Fixes

This software revision includes the following Bug fixes:

- Fixed an issue where in certain circumstances the Serial Lister would not properly display some UART data.

- Fixed an issue where in certain circumstances the Peak-Peak measurement was incorrect.

- Fixed an issue where in certain circumstances the Serial Lister, when displaying two lanes of serial decode information, would not display pre-trigger data.

- Fixed an issue where connecting certain probes would turn off the probe power.

- Fixed an issue preventing the VSA software from interoperating correctly.

Version 7.01

Release Date:	11 January 2017
Instrument software version:	Revision 7.01
File Name:	infiniivision.M924x_x64.7.01.2017011100.exe
	infiniivision.M924x_x86.7.01.2017011100.exe

Bug Fixes

This software revision includes the following Bug fixes:

- The LabView driver will now be properly installed.

- The installer now performs properly in the presence of a previous BenchVue install.

- The SFP Launcher now better handles multiple users.

- Performance while using PXI through the IVI Driver has been improved.

Initial Release, Version 7.00

Release Date:	15 November 2016
Instrument software version:	Revision 7.00
File Name:	infiniivision.M924x_x64.7.0.2016111505.exe
	infiniivision.M924x_x86.7.0.2016111505.exe