

# N1091..CA IEEE 802.3 Ethernet KR/CR Compliance Test Application Software

Keysight Software Version 3.11.0.0

Released Date:	11 June 2021
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	6.61.13
File Name:	SetupInfIEEE8023DCA03110000.exe

## Modifications

- Support 25GBASE-KR
- Support N1040A module
- Fixed “image not found” error on the PDF report issue
- Support the CR Source “D+” and “D-” feature with the modules connected to N107x.
- Fixed pattern lock doesn’t off issue when the app running XLPPI eye mask tests with PRBS31 pattern.
- Fixed issue while the app doesn’t configure the s parameter block in correct way when running the CAUI-4 eye mask measurement
- Fixed issue while CAUI-4 Eye measurement is incorrect when running using channel 7C and 7D.
- Fixed issue while 10GBASE-KR coefficient step size test plots at wrong position

## Keysight Software Version 03.10.0000

Released Date:	17 Jan 2020
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	6.50
File Name:	SetupInfIEEE8023DCA03100000.exe

### Modifications

- Support Auto De-Skew for N1060A, N104x, N1055A, N109x
- Allow user to input the hardware de-skew value
- Add ability to use an explicit clock
- Support Loop BW Tuning
- Support Jitter Optimization after JSA is turned on
- Support PTB Sync Method “Optimize for RJ and Linearity”
- Support CR source “D+” and “D-”
- Fix the required BW issue when perform “Pk- Pk Voltage with Tx disabled”

### Known issues:

- The Loop BW Tuning and Jitter Optimization features are not supported with CAUI-4 Tests on DCA-M.
- The CR Source “D+” and “D-” feature is not supported with the modules connected to N107x.
- The Auto De-Skew feature is not supported with DCA-M Channel C and D.
- Signaling Rate test at 10GBASE-KR and 40GBASE-KR4 will not run with PRBS15 pattern using 86100D and 86108B.
- Jitter tests will abort intermittently with 10GBASE-KR and XAUI filter using 86100D and 86108B.
- Error in image saving while running DME tests using 86100D and 86108B.

## Keysight Software Version 03.03.0001

Released Date:	24 Oct 2019
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	6.40
File Name:	SetupInfIEEE8023DCA03030001.exe

### Modifications

- Fix Eye Height, Eye Height A, Eye Height B and Eye Width tests to run in Channel 7C and 7D.

## Keysight Software Version 03.03.0000

Released Date:	13 Sept 2019
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	6.40
File Name:	SetupInfIEEE8023DCA03030000.exe

### Modifications

- Product number is changed from "N108xA" to "N1091..CA"
- Add result details of Coefficient Status test.

# N108xA IEEE 802.3 Ethernet KR/CR Compliance Test Application Software

## Keysight Software Version 03.02.0000

Released Date:	3 May 2019
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	5.31
File Name:	SetupInfIEEE8023DCA03020000.exe

### Modifications

- Add N1045B support.

- Support PPKS licenses.
- Fixed auto checked on the loop order issue.
- Fixed App is hang/died when running Main Voltage Measurement.
- Fixed incorrect LBW issue.

## N108xA IEEE 802.3 Ethernet KR/CR Compliance Test Application Software

Keysight Software Version 03.00.0000

Released Date:	3 Sept 2018
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	5.31
File Name:	SetupInfIEEE802303000000.exe

### Modifications

- Add N109xA, N1046A, N1060A support.
- Add N1076/77A support.
- Add Cygnet support.

Keysight Software Version 02.50.0004

Released Date:	22 Mar 2018
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	5.31
File Name:	SetupInfIEEE802302500004.exe

### Modifications

- Update from 32 bit to 64 bit app

## Keysight Software Version 02.50.0001

Released Date:	31 Oct 2017
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	5.31
File Name:	SetupInfIEEE802302500001.exe

### Modifications

- Fixed deskew calibration on N1045A to use same SIRC settings as application

## Keysight Software Version 02.50.0000

Released Date:	11 Aug 2017
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	5.31
File Name:	SetupInfIEEE802302500000.exe

### Modifications

- Add N1076/77A support
- For Tx Disable test, turn InfiniiSim off and don't autoscale
- Changed eye measurements to jitter mode
- Change eye to use probability terms rather than BER.
- Add Initialize coefficient tests

## Keysight Software Version 02.00.0004

Released Date:	2 Aug 2016
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	5.31
File Name:	SetupInfIEEE802302000004.exe

## Modifications

- Fixed PTB for SQ8 pattern when using IPTB and N1045A or N1055A.

## Keysight Software Version 02.00.0003

Released Date:	4 June 2016
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	5.31
File Name:	SetupInfIEEE802302000003.exe

## Modifications

- Fixed CAUI-4 Single-Ended InfiniiSim usage.

## Keysight Software Version 02.00.0001

Released Date:	4 June 2016
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	5.31
File Name:	SetupInfIEEE802302000001.exe

## Modifications

- Fixed CAUI-4 Common-mode to divide by 2.

## Keysight Software Version 02.00.0000

Released Date:	4 May 2016
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	5.31
File Name:	SetupInfIEEE802302000000.exe

## Modifications

- CAUI-4 application added

## Keysight Software Version 01.05.0000

Released Date:	1 April 2016
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	5.20
File Name:	SetupInflEEE802301050000.exe

## Modifications

- 10GBASE-KR – Fixed the edge find for SQ8 pattern for coef update tests when step sizes are larger and require signal reset.
- nPPI – reduced jitter measurement wait time
- All – fixed intermittend voltage error on signal verification

## Keysight Software Version 01.04.0000

Released Date:	30 Sept 2015
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
Requirements category (e.g., instrument software version):	4.53
File Name:	SetupInflEEE802301040000.exe

## Modifications

- This is the last supported XP version.

## Keysight Software Version 01.03.0000

Released Date:	25 Sept 2015
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
Requirements category (e.g., instrument software version):	4.53
File Name:	SetupInflEEE802301030000.exe

## Modifications

- Added N0155A option for TDR measurements

- Added the ability to use simulation signals for all electrical measurements (set in config)
- The steady state, linear fit, step size, and cursor tests would only allow for PRBS9. Updated to allow for any pattern if disable pattern check is set in the config tab.
- Fixed step size reporting to use same number of decimal places
- Fixed common mode scaling
- Fixed 100GBASE-KR4 Rm calculation

## Keysight Software Version 01.02.0007

Released Date:	20 Mar 2015
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
Requirements category (e.g., instrument software version):	4.21
File Name:	SetupInfIEEE802302000007.exe

### Modifications

- Added option to equalize pulse on KR4 measurements – this is for fixtures etc that are added between TPO and probing.
- Updated Coef Step size to subtract after-before

## Keysight Software Version 01.02.0006

Released Date:	20 Feb 2015
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
Requirements category (e.g., instrument software version):	4.21
File Name:	SetupInfIEEE802302000006.exe

### Modifications

- Added view demo mode start menu option



## Keysight Software Version 01.02.0000

Released Date:	20 Feb 2015
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
Requirements category (e.g., instrument software version):	4.21
File Name:	SetupInfIEEE802302000000.exe

### Modifications

- Fixed SteadyState voltage and linear fit measurements.
- Updated step size tests to optional loop as many steps needed for given coef
- Added SNDR for 100G KR4 and CR4 and far end noise for 40G CR4
- Added internal PTB
- Added selectable data rate in config tab
- Added .s4p support
- Rebrand

## Agilent N108xA Software Version 01.01.0000

Released Date:	20 Feb 2015
Requirements category (e.g., operating system):	Microsoft Windows XP, Microsoft Windows 7
Requirements category (e.g., instrument software version):	2.51
File Name:	SetupInfIEEE802301010000.exe

### Modifications

- Updated 100GBASE-KR4 and 100GBASE-CR4 from spec release IEEE802.3bj D2.2 to IEEE802.3bj D3.2
- Added Max RMS error test for 40GBASE-CR4 and 100GBASE-CR10
- Fixed issue with save project file where default directory name contained “\”
- Updated steady state voltage test.

## Agilent N108xA Software Version 01.00

Released Date:	7 July 2014
Requirements category (e.g., operating system):	Microsoft Windows 7
Requirements category (e.g., instrument software version):	5.10
File Name:	SetupInf100GBASEKR401000000.exe

Initial Release

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