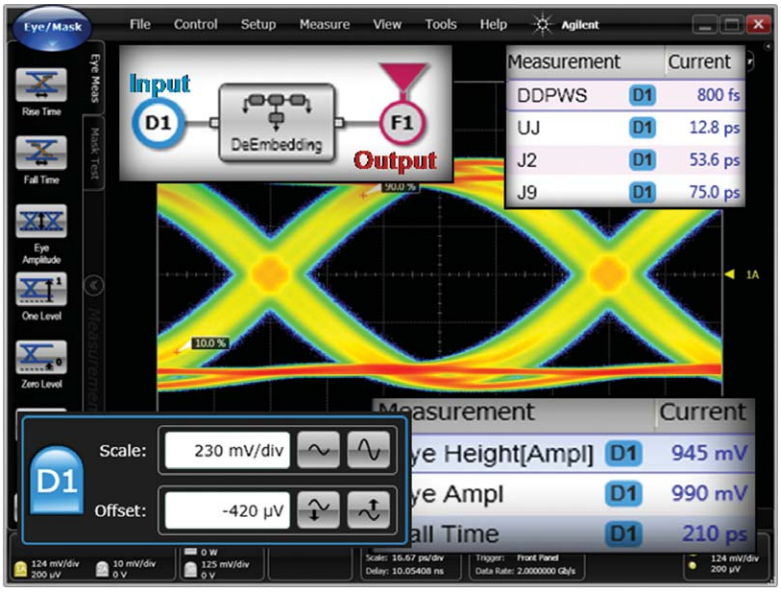
Agilent N1010A FlexDCA Remote Access Software

Expect More From Your Test Equipment

N1010A FlexDCA Remote Access Software provides oscilloscope, eye/mask and jitter mode measurement capabilities on your PC. The powerful new software application provides offline and connected measurement capability for both the 86100C DCA-J and 86100D DCA-X oscilloscopes.

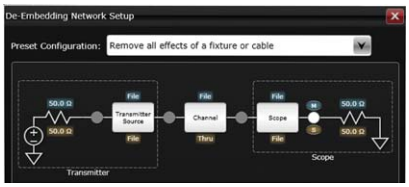


N1010A FlexDCA is the same advanced user interface application that resides on every 86100D DCA-X, but as a standalone PC application it is more "flexible". FlexDCA controls either an 86100C or 86100D via a LAN connection, or it can also operate in an offline mode using saved waveforms or the built-in waveform simulator.

FlexDCA provides powerful new insight for digital signals

A variety of new measurement capabilities provide designers with tools to characterize high-speed digital designs more thoroughly and isolate problems more quickly.

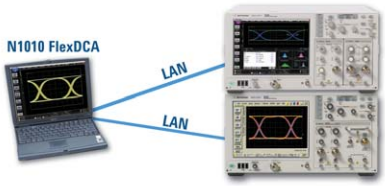
- De-embedding / Embedding (using Option SIM InfiniiSim-DCA)
- Advanced Signal Processing using an intuitive graphical interface
- New measurement capability



InfiniiSim-DCA provides powerful de-embedding and embedding capabilities.

Remote Operation (via LAN)

N1010A provides capabilities that are not available on an 86100C DCA-J, such as de-embedding or advanced signal processing. N1010A is also ideal for engineers that have their 86100C/D located in a noisy lab and would prefer to run tests from their desks. The remote instrument could even be located in an office location in another part of the world. Imagine how quickly you could help a colleague or contractor solve a problem in a remote location if you could quickly and easily take control of their instrument.



Perform live, real-time measurements via a LAN connection.

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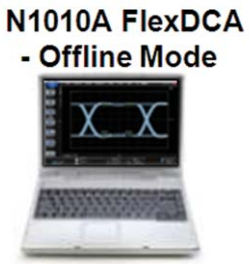
Offline Operation

The PC-based application frees up equipment by allowing designers to perform measurements and simulations on saved waveforms or software generated signals.



Perform scope, eye/mask, and jitter measurements using saved waveforms or use the built-in waveform simulator

Waveform Simulator

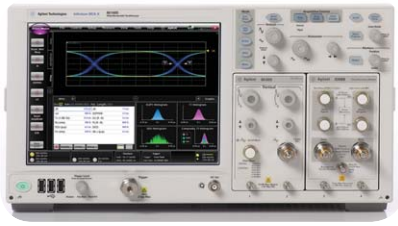
N1010A FlexDCA includes an integrated waveform simulator. The simulator can create patterns such as PRBS, square waves, sinusoids, or import a saved waveform from a file. It also allows you to add simulated random jitter/noise as well as periodic jitter/noise to the signal. The waveform simulator is ideal for performing "what-if" simulations such as working with different de-embedding files.

N1010A FlexDCA software can save you money!

Purchase a single software license for your PC and use it with multiple 86100C/D mainframes! N1010A FlexDCA offers the same software options that are available for the 86100D DCA-X. For example, you can purchase N1010A-200 Enhanced Jitter Analysis for your PC and use it with multiple 86100C or 86100D mainframes, when connected to the instrument via LAN.

Of course, if you already installed a software license on your DCA, you don't have to purchase another one. While connected to an 86100C/D, N1010A FlexDCA uses software licenses that are licensed to either the PC or the instrument.

When operating offline, N1010A will make use of software options licensed to the PC only. Instrument-based licenses are not available.

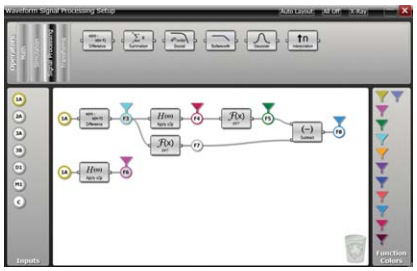


N1010A FlexDCA takes the powerful user interface from the 86100D DCA-X and makes it available on a PC

Get even more out of your 86100C DCA-J

If you already own an 86100C DCA-J and would like to benefit from FlexDCA features, then N1010A FlexDCA is the application for you. In addition to de-embedding and embedding capability available through N1010A-SIM InfiniiSim-DCA, the N1010A FlexDCA application provides:

- New Measurement Capability such as Data Dependent Pulse Width Shrinkage (DDPWS), Uncorrelated Jitter (UJ), J2, J9, and more
- Advanced Signal Processing including FFT, differentiate, integrate, built-in filter functions, and more
- Customizable vector-based user-interface ; display only what is important to you
- Display of up to 64 measurements simultaneously
- Waveform Simulator with random and periodic jitter/noise capability



The graphical signal processing interface makes it easy to setup and display math functions and other types of simulations.

Ordering Information

N1010A FlexDCA Remote Access SW Provides basic Scope and Eye/Mask measurements N1010A FlexDCA

- **N1010A-DCA** Support for all 86100C/D mainframe licenses
- **N1010A-200** Enhanced Jitter Analysis
- **N1010A-201** Advanced Waveform Analysis
- **N1010A-300** Advanced Amplitude Analysis/RIN/Q
- **N1010A-SIM** InfiniiSim-DCA

PC Requirements[1]

Recommended OS:
- Windows 7 64-bit

Supported OS:
- Windows Vista 32-bit and 64-bit
- Windows XP 32-bit
- Windows 7 32-bit and 64-bit

[1] PC is supplied by the user

For more information, go to www.agilent.com/find/N1010A

Product specifications and descriptions in this document subject to change without notice.

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