

Keysight Technologies

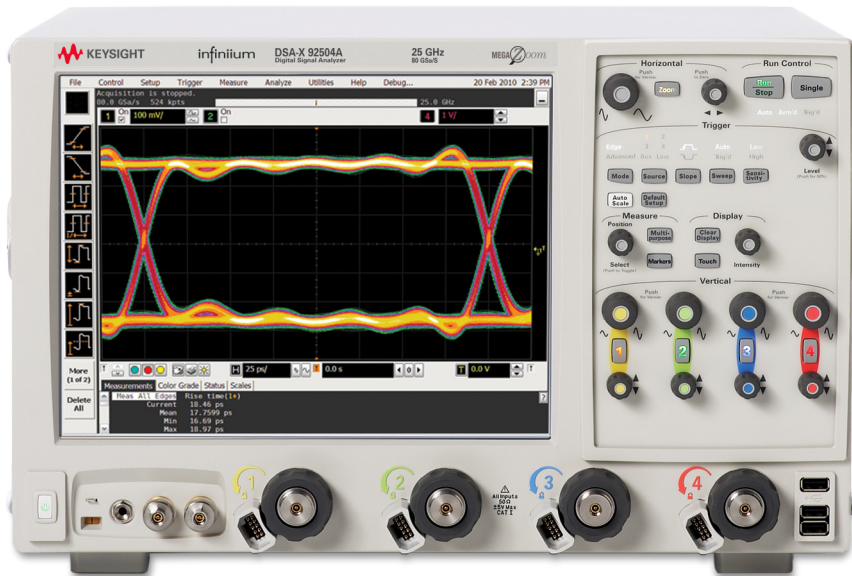
Why Upgrade to the 90000 X-Series?

Infiniium 90000 X-Series versus 90000A Series Oscilloscopes

Upgrade to the 90000 X-Series and start making better measurements today

1. Dramatically improved signal integrity—Pick a spec: noise floor, jitter, ENOB, SFDR, not only is the X-Series a dramatic signal integrity improvement over the 90000A, it has the best signal integrity of any real-time oscilloscope, period.
2. Bandwidth upgradability to 33 GHz—The 90000 X-Series features a max sample rate of 80 GSa/s and upgradability to 33 GHz of true analog bandwidth. You can buy a 13 GHz model now and upgrade all the way to 33 GHz as your needs evolve.
3. Available MSO—Get 16 digital channels (+ 1 for triggering), and the world's highest 20 GSa/s digital channel sample rate. This is the greatest analog bandwidth and signal integrity MSO in the industry.

	90000 X-Series	90000A Series
Analog channels		
Max analog bandwidth	33 GHz	12 GHz
Max bandwidth (4 channel)	16 GHz	13 GHz
Max memory depth	2 Gpts - 4 channels	1 Gpts - 4 channels
Sample rate	80 GSa/s	40 GSa/s
Noise floor @ 13 GHz	1.2 mVrms	1.45 mVrms
Noise floor @ 33 GHz	2.02 mVrms	Not available
Jitter measurement floor	150 fs	600 fs
Bandwidth upgradable	Yes, to 33 GHz	Yes, to 13 GHz
Digital channels		
Max 8 channel sample rate	20 GSa/s	
Max 16 channels sample rate	10 GSa/s	
Max memory depth	400 Mpts	Not available
17th channel for triggering	Yes	
Specialized DDR1/2/3 triggering	Yes	



Better measurements within reach

How did we achieve this?

The 90000A Series offers category-leading signal integrity and performance up to 13 GHz. However, the latest technological innovations from Keysight Technologies, Inc. have enabled a real-time oscilloscope that is superior to the 90000A Series and competing scopes in every critical performance metric. The 90000 X-Series uses custom Indium Phosphide chips to achieve true analog bandwidth from 13 GHz up to 33 GHz. Keysight's technology leadership and commitment to signal integrity ensure you get the highest measurement accuracy, whether you are using 13 GHz of bandwidth or 33 GHz.

The result: the best signal integrity ever on a real-time oscilloscope. Pick a signal integrity specification, the 90000 X-Series will be the industry's best at comparable bandwidths. Lowest noise floor? Of course. Lowest jitter measurement floor? Absolutely. Highest ENOB? Greatest SFDR? Yes and yes.

From 13 GHz to 33 GHz, with the 90000 X-Series better measurements are within reach.

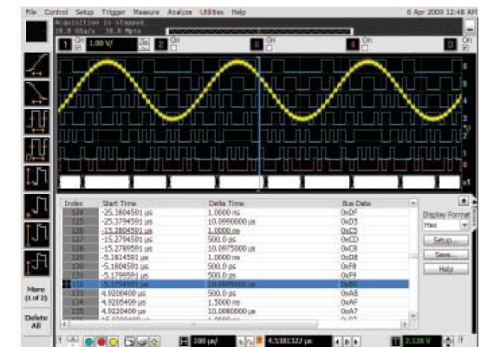
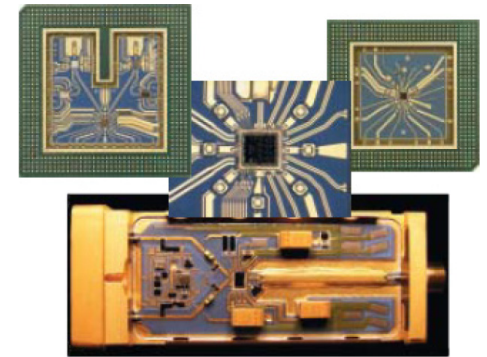
Protect your investment

The 90000 X-Series supports compatibility across both the InfiniiMax II and InfiniiMax III family of probes. You don't have to throw away your probing investment to upgrade to the 90000 X-Series. In fact, every new 13 GHz 90000 X-Series comes with 2 free InfiniiMax II probe adapters to make sure your measurement needs are met the moment the scope hits your bench.

Get into the 90000 X-Series family of real-time oscilloscopes today and enjoy upgradeability to 33 GHz of true analog bandwidth, 2 Gpts acquisition memory, and the InfiniiMax III family of probing solutions.

Combining deep logic analysis with the industry's highest performance oscilloscope

Now Keysight's 90000 X-Series can be purchased as a mixed signal oscilloscope. The integrated 8/16 digital channels + 1 additional channel for triggering offer the industry's fastest sample rate and deepest memory. The MSOX90000 Series represents the highest bandwidth and most accurate MSO in the industry.



www.keysight.com/find/90000X-Series