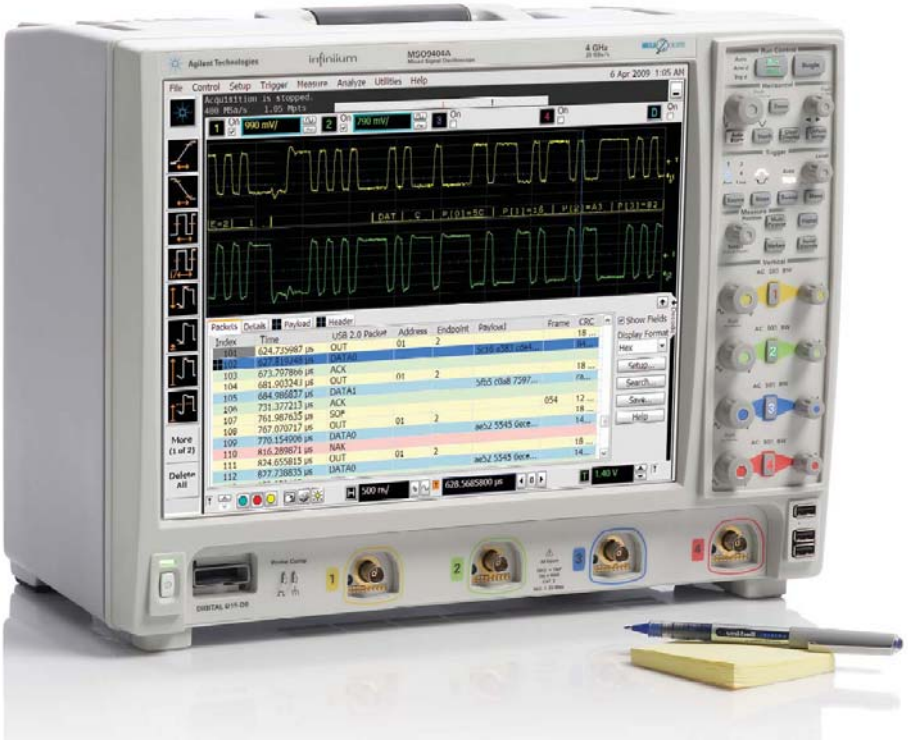
Take the Agilent Infiniium 9000 Series Scope Challenge

If you're like most engineers, you never know what your next project will demand from you. That means you need a scope that can adapt to your ever-changing debug and test challenges. If you tend to purchase your scopes from the same vendor every time, or if it's been a while since you've taken a look at what today's oscilloscopes can do, you might be surprised at the capabilities you can have at your fingertips. Take the Agilent mid-range (600 MHz to 4 GHz bandwidth) scope challenge and see how your current scope compares.

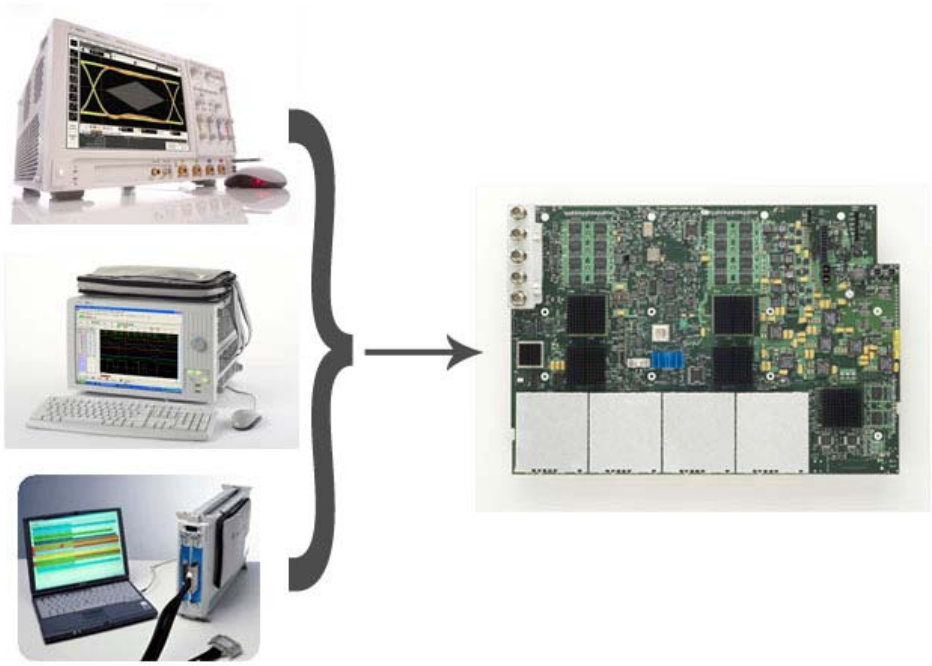


Agilent Infiniium 9000 Series Oscilloscope

Agilent gives you a unique form factor that fits your lab environment so you can use your scope where you need it.

We engineered a dense 20-layer printed circuit board technology and advanced ASIC and FPGA designs and packaged it vertically to produce the thinnest, lightest and most portable scope in its class and give you the biggest display available.

Agilent gives you three instruments in one so you can make most key digital debug measurements without scrambling to find another box.



1. *We start with a world class scope.*

Specifications: At 4 GHz true analog bandwidth, the Agilent scope outperforms competitive models. While both scopes ship with 10 Mpts of memory standard, Agilent's architecture maintains up to 400 times faster deep memory update rates while the competitive model's performance degrades, substantially impeding responsiveness. With up to 500 Megapoints of memory across all channels on the Agilent scope, you can capture longer periods of time.

Usability: Making automated measurements? Agilent's intuitive usability enables one step drag & drop operation versus multiple clicks through pull down menus for competitive models to do the same risetime measurement.

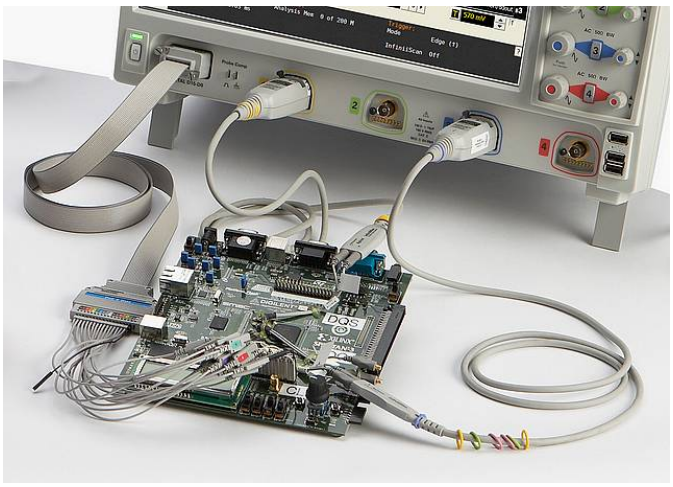
Functionality: When traditional hardware triggering isn't sufficient, Agilent's InfiniiScan Event Identification software provides unmatched functionality with 8 qualified triggering zones.

OSCILLOSCOPE COMPARISON

	Competitive Model	Agilent Infiniium 9000 Series
Bandwidth	3.5 GHz (Software Boosted)	4 GHz True Analog
Memory	50 Mpts 4 ch, 200 Mpts max	500 Mpts 4 ch, 1 Gpts max
Update Rate (10 Mpts)	0.5 waveforms/sec	190 waveforms/sec
Drag and Drop Measurements	NO	YES
InfiniiScan Software Triggering	NO	YES

2. *We add the timing analysis capability of a logic analyzer.*

Only Agilent offers Mixed Signal Oscilloscopes to capture and view 4 analog channels of acquisition along with 16 integrated logic analysis timing channels. Get accurate analysis of timing relationships between control signals and data buses.



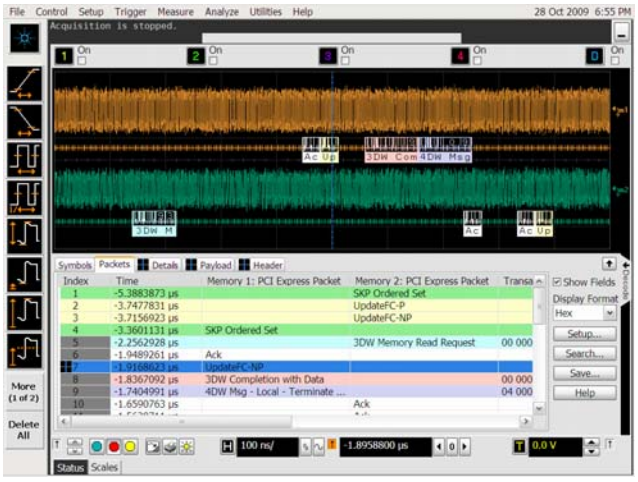
Agilent's MSO-based FPGA dynamic probe application allows you to quickly import signal names from your design environment and move between banks of internal FPGA signals without recompiling your design for fast and efficient debug.

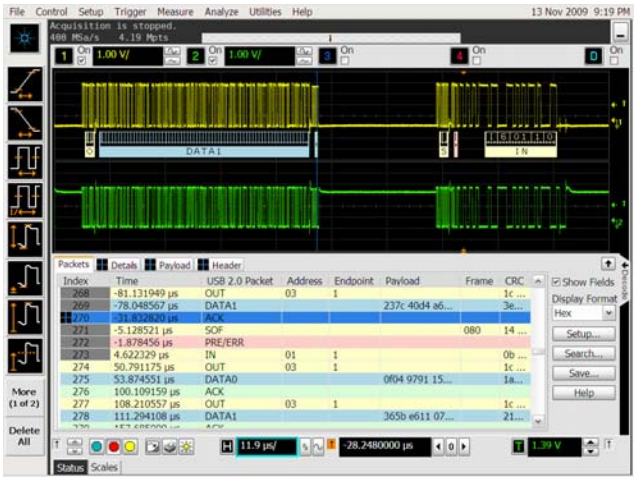
LOGIC SUPPORT COMPARISON

	Competitive Model	Agilent Infiniium 9000 Series
16 digital channels	NO	2 GSa/s
FPGA software	NO	Xilinx, Altera
Bus display	NO	YES

3. We top it off with the packet views of a protocol analyzer.

With Agilent scopes, get time correlated physical and protocol views without finding and hooking up a protocol analyzer. Our protocol analysis tools are fully integrated into the scope, while the competition's offering often requires running separate applications. You can go from waveforms on screen to protocol decode in just seconds using auto setup on the Agilent scope.

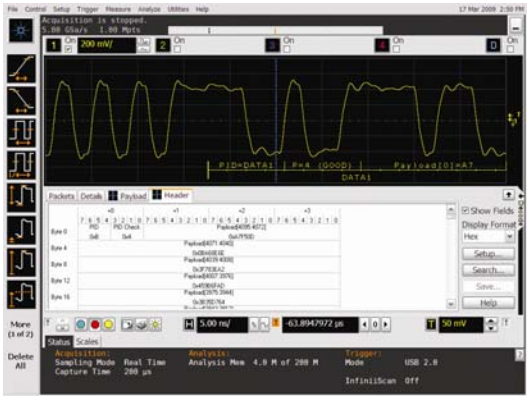




Agilent is the only scope to offer multi-tab protocol viewing, making it easy to see additional protocol information. And we support almost twice as many protocols as the competition.

Details tab breaks the packets into easy-to-read textual fields.

Payload tab shows data carried by packet in byte-by-byte HEX and ASCII.



Header tab shows packets in a databook format. Hovering on any tab reveals additional detail.

PROTOCOL SUPPORT COMPARISON

	Competitive Model	Agilent Infiniium 9000 Series
Fully integrated in scope	SOMETIMES	YES
Auto Setup	NO	YES
Multitab viewer	NO	YES
Time aligned marker	NO	YES
Supported Protocols	I2C, SPI, RS-232, CAN, LIN, FlexRay	I2C, SPI, RS-232, CAN, LIN, FlexRay, USB 2.0, MIPI-DPhy, SATA, PCIe, 8B/10B

And Agilent gives you the widest range of software packages in the industry to make sure you can put the power of three instruments in one to work for you.

You've completed the Agilent Infiniium 9000 Series scope challenge. We hope you'll choose to put the power of three instruments in one to work for you with your next scope purchase!