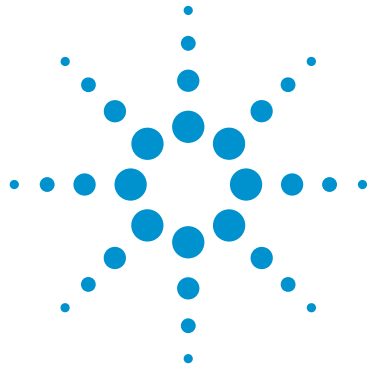
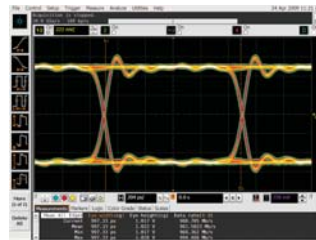




Industry Comparison Guide: Infiniium 9000 Series vs. Rohde & Schwarz RTO 1000 Series

It's three instruments in one

1. **Powerful oscilloscope** - 600 MHz, 1, 2.5 and 4 GHz bandwidths, fast sample rates and responsive deep memory. Lower bandwidth models are upgradeable.



2. **MSO models** add 16 channels of logic timing analysis. You can upgrade your scope later to an MSO.



3. **Protocol analyzer** for common serial buses - quickly move between physical and protocol layers with the time-correlated tracking marker.



	Agilent Infiniium 9000 Series	Rohde & Schwarz RTO 1000 Series
Bandwidth	600 MHz, 1 GHz, 2.5 GHz, 4 GHz ✓	1 GHz, 2 GHz ✗
Fastest sample rate	up to 20 GSa/s ✓	up to 10 GSa/s ✗
Upgradeable BW	YES ✓	NO ✗
Deepest 4-ch memory	up to 512 Mpts ✓	up to 100 Mpts ✗
Integrated MSO	YES ✓	NO ✗
Biggest display	15" XGA (106% viewing area) ✓	10.4" XGA ✗
Fastest shallow memory Update rate	2,500 wf/s ✗	1M wf/s ✓
Fastest deep memory Update rate	380 ✓	160 ✗
Broadest Protocol support	I ² C, SPI, RS-232, CAN, LIN, FlexRay, MIPI D-Phy, USB, PCIe, SATA, 8B/10B, JTAG ✓	I ² C, SPI, RS-232, CAN, LIN, FlexRay ✗
InfiniiScan	YES ✓	NO ✗
Jitter and SDA Application	YES ✓	NO ✗
Compliance Application	YES USB 2.0, MIPI D-Phy, DDR, and Ethernet ✓	NO ✗
Probes and Accessories	Wide range of voltage, high-voltage, differential and single ended, and current probes ✓	Limited ✗



Agilent Technologies

Engineered for the broadest measurement capability



It's sized to fit your environment

In addition to 3-in-1 instrument capability, the Infiniium 9000 also offers:

- the largest display to see analog, digital and protocol measurements time correlated
- the lightest scope in its class
- the smallest form factor to reduce bench space.

How did we do it?

Agilent designed a 20 layer acquisition board that contains 27 custom ASICs and 3 FPGAs.



To obtain additional information about Agilent's Infiniium 9000 Series, go to: www.agilent.com/find/9000

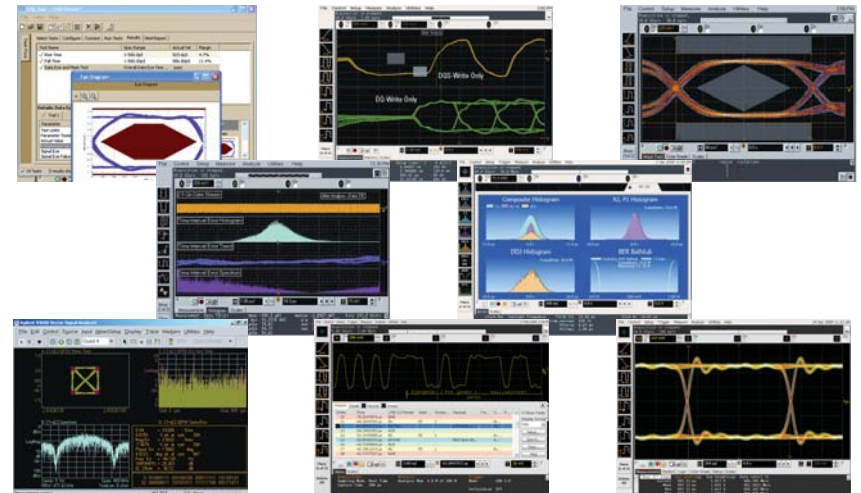
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5990-6211EN

It has the widest range of debug and compliance applications

We know that you need more than measurements - you need answers.

That's why the Infiniium 9000 offers over 28 supported applications, such as:

- **Oscilloscope applications:** jitter analysis, InfiniiScan, serial data analysis, MATLAB, vector signal analysis, power analysis
- **Protocol analysis:** I²C, SPI, RS-232/UART, CAN, LIN, FlexRay, JTAG, USB, PCIe, MIPI, SATA, 8B/10B
- **Compliance to standards:** USB, DDR1, LPDDR, DDR2, LPDDR2, DDR3, MIPI, ethernet, communications mask test
- **FPGA debug:** Xilinx and Altera FPGA dynamic probe



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