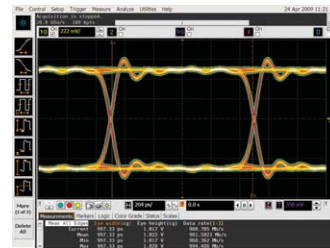# Industry Comparison Guide:
Infiniium 9000 Series vs. Tektronix DPO7000 Series

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 upgradable.

2. **MSO models** add 16 channels of logic analysis. You can upgrade your oscilloscope 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		Tektronix DPO7000 Series	
Highest Bandwidth	4 GHz true analog	✓	2.5 GHz DSP enhanced to 3.5 GHz	

Standard memory
    Max 4 channel mode
    Max 2 channel mode
	20 M per channel
	500 M per channel
	1 Gpts per channel
		✓	10 Mpts
			100 Mpts
			200 Mpts
				✗

Upgradeable bandwidth	Yes	✓	No	✗
MSO	16 channel, 2 GSa/s,	✓	Not available	✗
PCIe, MIPI, USB, SATA , JTAG protocol triggering and decode	Available	✓	Not available	✗
InfiniiScan Zone-Qualified Measurements	Up to 8 Zones	✓	Not available	✗
Fastest Update Rate with Deep Memory	230 Waveforms/sec with 1 Mpts memory	✓	6 waveforms/sec with 1 Mpts memory	✗

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.

	Agilent Infiniium 9000 Series	Tektronix DPO7000 Series
Display	15-inch (40% larger display area)	12-inches
Depth	9 inches (25% slimmer)	12 inches
Weight	26 lbs (30% lighter)	37.5 lbs

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

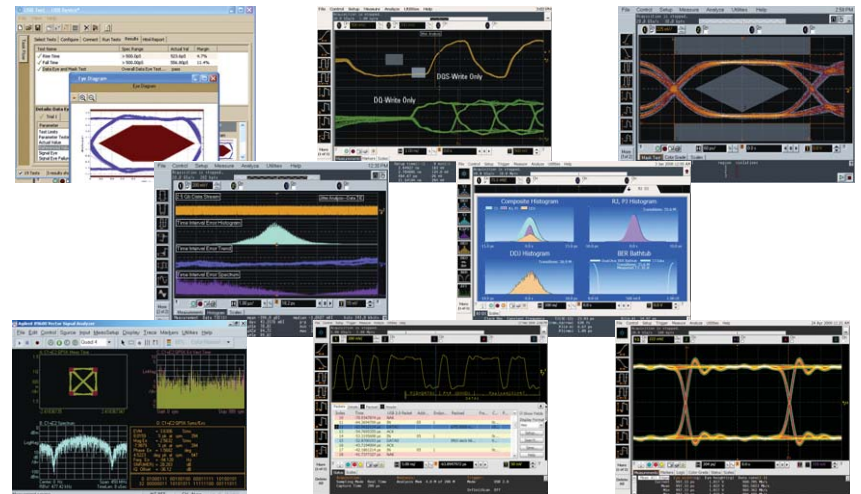## It has the widest range of debug and compliance applications

We know that you need more than measurements - you need answers. That's why the Infiniium 9000 offers over 28 supported applications, such as:

Scope applications: Jitter analysis, InfiniiScan, serial data analysis, MATLAB, vector signal analysis, power analysis

Protocol analysis: I^2C/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,

FPGA debug: Xilinx and Altera FPGA dynamic probe

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