

Keysight Infiniium MXR B-Series Oscilloscope — Design Without Compromise



Reduce Test Time with Hardware-Accelerated, Automated Analysis

Automated analysis tools like the standard InfiniiScan Event Identification Software and Fault Hunter applications reduce debug time. The MXR B-Series uses hardware acceleration to speed up analysis application test times and reduce time to market.



Empower Robust Design Development With Uncompromised Performance

The uncompromised bandwidth, sample rate, waveform update rate, and channel count on the MXR B enable robust design development. You will always know what to expect from your scope with no surprises.



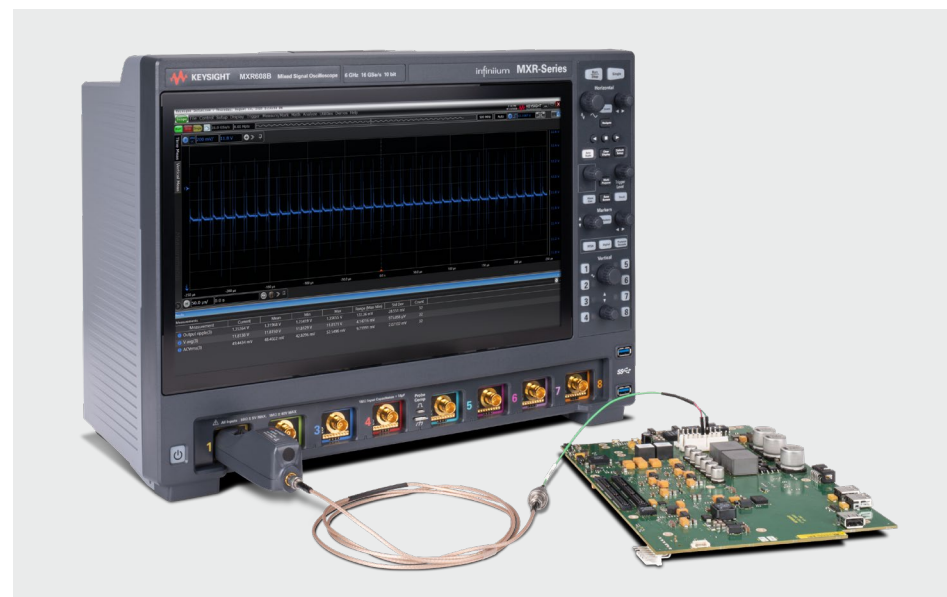
Test, Verify, and Debug with Confidence

The MXR B-Series is fully upgradeable, so if you need more features and capabilities in the future, you can add them to your scope. The MXR B grows with your test challenges so you can make confident measurements today, and have confidence in your next project, too.



Display the Truest Representation of Your Signal

A low-noise front end, low intrinsic jitter, low trigger jitter, unprecedented timebase accuracy, and unmatched ENOB ensure that you see all of the signal details you need to verify your design.



Infiniium MXR B-Series Oscilloscope

- 500 MHz to 6 GHz bandwidth, upgradeable
- 4 or 8 analog channels, upgradeable
- 16 digital channels, upgradeable
- 40 MHz standard span RTSA, upgradeable
- 200 Mpts/ch standard memory, upgradeable
- >200,000 waveforms/s update rate
- 16 GSa/s sample rate
- Windows 10 operating system



Figure 1. Keysight Infiniium MXR B-Series Oscilloscope



Save With Current Sales Programs

Maximize Your Memory Promo

- Get 1.6 Gpts of flexible memory for FREE when you purchase a new MXR B-Series oscilloscope.
- Promo code 6.056, available worldwide
- [Read the flyer.](#)

Good, Better, Best Value Bundles

- Take advantage of less complicated ordering and instant savings when you choose a pre-packaged bundle.
- Save up to 30% when you add a bundle to a new MXR B-Series purchase.
- [Read the flyer.](#)

Specification/Criteria	MXR B-Series
Channel count, analog	4 or 8
Channel upgrades	Yes
Bandwidth available	500 MHz, 1, 2, 2.5, 4, 6 GHz
Max bandwidth (2 channel)	6 GHz
Max bandwidth (4 channels)	6 GHz
Max bandwidth (8 channels)	6 GHz
Max sampling rate (all channels)	16 GSa/s
Total scope sample rate	128 GSa/s
Vertical resolution (ADC bits)	10
Standard memory (all channels)	200 Mpts
Maximum memory	1.6 Gpts flexible memory
Waveform generator	Yes
Counter	Yes (10 digits)
Digital voltmeter	Yes (4 digits)
Fault Hunter	Yes
Fast capture history mode	Yes
Waveform update rate	> 200,000 wfms/s
Maximum edge trigger frequency	6 GHz
Eye diagram plotting speed	> 750,000 UI/s
Noise floor (100 mV/div, 1 GHz)	821 μ V
ENOB (50mV/div)	8.0 (1 GHz), 7.2 (4 GHz)
Timebase accuracy	+8 ppb
Intrinsic jitter (1 ms/div)	155 fs rms
Waveform averaging speed	> 12,000 wfm/s
RTSA	Yes
FFT speed (FFT/s)	400,000 (with RTSA)
Digital down conversion (DDC)	Yes (up to 2 GHz all channels)
Screen size / resolution	15.6" / 1920 x 1080 (full HD)
Standard storage (removable)	500 GB SSD (1 TB SSD optional)



Figure 2. The standard InfiniiScan software enables you to isolate a signal anomaly with ease.

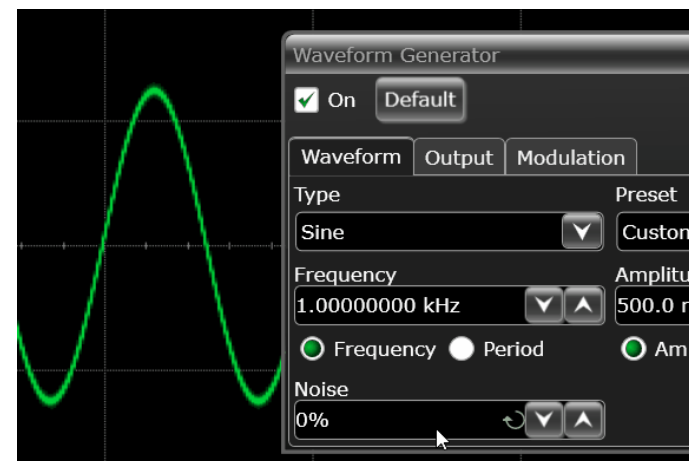


Figure 3. Easily stress-test your DUT with the standard waveform generator.



Ready to trade-in your Keysight MXR A-Series, S-Series, or a competitive scope?



Save up to 60% on a new MXR B-Series.



Migrate to the latest technology sooner.



Enhance your competitive edge.

Program Starts September 12, 2023