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Data Sheet
August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight EXR408A

Agilent Keysight EXR408A Infiniium EXR-Series Oscilloscope The Keysight EXR408A is an Infiniium EXR-Series oscilloscope with 4 GHz analog bandwidth on 8 channels and 16 GSa/s sample rate on every channel. OEM EXR data sheets list 10-bit ADC resolution (up to 16-bit high-resolution), 100 Mpts/ch standard memory, and optional 16 digital MSO channels. High-speed digital debug, multi-lane serial analysis, power integrity, and general-purpose high-bandwidth multi-channel capture. Sample Rate Real Time: 16 GSa/s all analog channels The Keysight EXR408A is an Infiniium EXR-Series oscilloscope with 4 GHz analog bandwidth on 8 channels and 16 GSa/s sample rate on every channel. OEM EXR data sheets list 10-bit ADC resolution (up to 16-bit high-resolution), 100 Mpts/ch standard memory, and optional 16 digital MSO channels. High-speed digital debug, multi-lane serial analysis, power integrity, and general-purpose high-bandwidth multi-channel capture. Sample Rate Real Time: 16 GSa/s all analog channels Vertical Resolution: 10 bits up to 16 bits with high resolution mode

MODEL **Agilent / Keysight EXR408A**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **EXR408A**	LISTING **https://aumictechlabs.com/products/exr408a-2/**

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight EXR408A is a real-time oscilloscope built for complex signal characterization in R&D and manufacturing environments. With 8 analog channels, 16 digital channels, 4 GHz bandwidth (upgradeable to 6 GHz), and 16 GSa/s sample rate across all analog channels simultaneously, it

delivers the speed and capacity needed for advanced electronic design validation. The instrument combines extensive memory depth up to 1.6 Gpts, 10-bit ADC resolution (upgradeable to 16-bit), and a low-noise front end at 43 µV with waveform update rates exceeding 200,000 wfm/s for real-time anomaly detection.Technical Specifications Bandwidth: 4 GHz (upgradeable to 6 GHz) Analog Channels: 8 channels (upgradeable from 4) Digital Channels: 16 channels Sample Rate: 16 GSa/s on all analog channels simultaneously; 62.5 ps time resolution Memory Depth: 100 Mpts/channel standard; upgradeable to 400 Mpts/channel or 1.6 Gpts flexible option Vertical Resolution: 10-bit ADC; upgradeable to 16-bit High-Resolution mode; system ENOB up to 9.0 bits with hardware filtering Front-End Noise: 43 µV minimum Waveform Update Rate: Greater than 200,000 wfm/s Display: 15.6-inch capacitive multi-touch, 1920×1080 resolution; supports external second monitor Operating System: Windows 10 Dimensions: 444.5 mm (W) × 327.5 mm (H) × 224.1 mm (D)Key Features Advanced triggering: Edge, Pulse Width, Glitch, Runt, Time Out, Pattern, Burst with three-stage capability and protocol-level triggering Over 50 standard measurements and math functions including FFT, histograms, and serial data analysis Fault Hunter anomaly detection; History Mode captures up to 1,024 previous trigger events Segmented Memory enables capture of over 100,000 events post-trigger Hardware-accelerated plotting and protocol decoding via optional software packages Optional integrated instruments: Logic Analyzer, Protocol Analyzer, Digital Voltmeter (4 digits; 100/sec), Counter/Totalizer (5–10 digits; 64-bit), Bode Plotter, 50 MHz Waveform Generator, and 50 MHz Frequency Response AnalyzerConnectivity & Integration LAN (RJ-45) and USB 3.0 (6 host / 1 device) Windows 10 Remote Desktop Connection support Includes N2873A 500 MHz passive probes, calibration cable, and accessories Keysight I/O libraries suite included

EXR408A Characteristics / Specifications

PARAMETER	VALUE
Model	EXR408A
Analog Bandwidth 50 Ohm	4 GHz
Analog Bandwidth 1 MOhm	500 MHz
Analog Channels	8
Sample Rate Real Time	16 GSa/s all analog channels
Sample Resolution	62.5 ps
Vertical Resolution	10 bits up to 16 bits with high resolution mode
ENOB Class	as high as 9.0
Standard Memory Depth	100 Mpts per channel
Typical Rise Time 10/	107.5 ps
Typical Rise Time 20/	77.5 ps
Real Time Update Rate	greater than 200000 waveforms per second
Digital Logic Channels Optional	16 dedicated MSO input
Display	15.6 inch touch full HD dual screen support
Input Impedance 50 Ohm	50 ohm plus or minus 3.5 percent
Input Impedance 1 MOhm	1 MOhm plus or minus 1 percent (14 pF typical)
Series Family	Infiniium EXR-Series
Brand Lineage	Agilent / Keysight
Form Factor	benchtop InfiniiumEye Diagram Speed Class: greater than 750000 UI/s
Bandwidth Upgrade Path	field upgradeable up to 6 GHz
Channel Upgrade Path	already 8 analog channels
Bandwidth	50 Ohm: 4 GHz
Rise Time	10/90: 107.5 ps

EXR408A Specifications

PARAMETER	VALUE
Key Features	4 GHz bandwidth on all analog channels
Technical Specifications	Model: EXR408A
Notes	From Keysight Infiniium EXR-Series data sheet model table for EXR408A.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

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PARAMETER	VALUE
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Sample Resolution	62.5 ps
Vertical Resolution	10 bits up to 16 bits with high resolution mode
ENOB Class	as high as 9.0
Standard Memory Depth	100 Mpts per channel

Optional Memory 400 Mpts: 400 Mpts per channel option path
Optional Flexible Memory: 1.6 Gpts combined flexible memory option path

Specifications

PARAMETER	VALUE
Typical Rise Time 10/90	107.5 ps
Typical Rise Time 20/80	77.5 ps
Real Time Update Rate	greater than 200000 waveforms per second
Digital Logic Channels Optional	16 dedicated MSO input
Display	15.6 inch touch full HD dual screen support
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Bandwidth Upgrade Path	field upgradeable up to 6 GHz
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Notes

From Keysight Infiniium EXR-Series data sheet model table for EXR408A.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: **sales@aumictech.com** · +1 (484) 841-9341

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