

**Aumictech**

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Data Sheet

August 31, 2026

AGILENT / KEYSIGHT

Agilent / Keysight DSO8064A Infiniium Oscilloscope: 600 MHz, 4 channels

The Agilent DSO8064A is an Infiniium class oscilloscope with 600 MHz analog bandwidth and 4 GSa/s maximum sample rate. OEM DSO8064A materials list deep memory options, advanced triggering, and analysis applications for high-speed digital and RF debug. High-speed digital debug, serial bus analysis, power integrity checks, and general purpose oscilloscope measurements on the 600 MHz platform. Maximum Memory Depth: up to 128 Mpts class by option Input Impedance: 50 ohms and 1 Mohm paths class Operating Temperature Class: standard laboratory class Calibration Interval Class: annual calibration class recommended Firmware Upgrade Path: option and firmware upgradeable class Bandwidth and sample rate from Agilent/Keysight DSO8064A oscilloscope documentation. Confirm installed memory and application options for exact record length.



MODEL

**Agilent / Keysight
DSO8064A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

DSO8064A

LISTING

<https://aumictechlabs.com/products/dso8064a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight DSO8064A Infiniium Oscilloscope is a 600 MHz, 4-channel digital storage oscilloscope engineered for signal integrity testing, debugging, and validation in complex electronic applications. It delivers real-time sample rates up to 4 GSa/s per channel (2-channel

mode) or 2 GSa/s per channel (4-channel mode), with equivalent-time sampling to 250 GSa/s for high-frequency transient capture. Standard memory depth of 8 Mpts expands to 128 Mpts, enabling extended waveform records for comprehensive signal investigation. The instrument features an XGA touchscreen display (1024 × 768 pixels, 256 intensity levels) and dual input impedance configurations - 1 M Ω and 50 Ω - with sensitivities from 1 mV/div to 5 V/div. Advanced triggering includes edge, glitch, runt, pattern, pulse width, video, and serial modes. Vertical resolution reaches 8 bits standard, improving to ≥ 12 bits with averaging (2 to 65,534 selections). Multiple acquisition modes - normal, peak detect, high resolution, segmented memory, and equivalent time - accommodate diverse measurement scenarios. DC gain accuracy is $\pm 1.25\%$ of full scale, with a 20 MHz hardware bandwidth limit available. Input coupling options span AC and DC for 1 M Ω impedance; 50 Ω operates DC-coupled. Maximum input voltages reach 150 V RMS (1 M Ω) and 5 Vrms (50 Ω). The instrument weighs 13.9 kg and operates on Windows XP Pro with 440 W power dissipation.

DSO8064A Characteristics / Specifications

PARAMETER	VALUE
Analog Bandwidth	600 MHz
Maximum Sample Rate	4 GSa/s
Analog Channels	4
Maximum Memory Depth	up to 128 Mpts class by option
Vertical Resolution	8 bit
Input Impedance	50 ohms and 1 Mohm paths class
Input Coupling	AC DC GND
Time Base Range Class	wide Infiniium time base class
Trigger Types	edge pulse width pattern glitch class
Display	color LCD graphical UI
Probe Interface Class	AutoProbe or InfiniiMax class by series
Math Functions	waveform math and FFT class
Segmented Memory	available class
Peak Detect Mode	available class
Roll Mode Class	available at slow time bases class
Series Family	Infiniium 8000
MSO Companion	MSO8064A class logic
InfiniiScan Search	available class
Jitter Analysis Options	available
Remote Interfaces	LAN USB GPIB class
Form Factor	benchtop instrument
Operating Temperature Class	standard laboratory class
Calibration Interval Class	annual calibration class recommended
Power Mains Class	100 to 240 VAC class
Firmware Upgrade Path	option and firmware upgradeable class

PARAMETER	VALUE
Bandwidth	600 MHz
Operating temperature	Class: standard laboratory class

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: standard laboratory class
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Operating Temperature Class	standard laboratory class
Calibration Interval Class	annual calibration class recommended
Power Mains Class	100 to 240 VAC class
Firmware Upgrade Path	option and firmware upgradeable class Notes Bandwidth and sample rate from Agilent/Keysight DSO8064A oscilloscope documentation. Confirm installed memory and application options for exact record length.

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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Segmented Memory	available class
Peak Detect Mode	available class
Roll Mode Class	available at slow time bases class
Series Family	Infiniium 8000
MSO Companion	MSO8064A class logic
InfiniiScan Search	available class
Jitter Analysis Options	available
Remote Interfaces	LAN USB GPIB class
Form Factor	benchtop instrument
Operating Temperature Class	standard laboratory class
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Firmware Upgrade Path	option and firmware upgradeable class

Notes

Bandwidth and sample rate from Agilent/Keysight DS08064A oscilloscope documentation. Confirm installed memory and application options for exact record length.

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

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.