

KEYSIGHT TECHNOLOGIES (AGILENT HP)

DSA90804A

The Keysight (Agilent) DSA90804A is an 8 GHz high-performance digital signal analyzer from the Infiniium 90000A Series. It delivers 40 GSa/s sampling across 4 channels and is tailored for high-speed digital debug, analysis, and compliance testing, offering superior signal integrity and an exceptionally low noise floor.

SPECIFICATIONS

General

Display	15-inch XGA touch screen
Operating System	Microsoft Windows

Vertical System

Analog Bandwidth	8 GHz
Number of Channels	4 analog channels
Vertical Resolution	8 bits
Vertical Sensitivity (50 Ω)	1 mV/div to 1 V/div

Acquisition System

Maximum Sample Rate (4 Channels)	40 GSa/s (on each channel)
Maximum Memory Depth (Standard)	50 Mpts per channel
Maximum Memory Depth (Optional)	Up to 1 Gpts per channel

Measurements and Math

Included Software (DSA Bundle)	SDA (Serial Data Analysis / Clock Recovery / Eye Diagrams), EZJIT+ (Jitter and RJ/DJ Separation), Bandwidth/Noise reduction
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Horizontal System

Timebase Range	5 ps/div to 20 s/div
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Inputs & Outputs

External Reference Clock In/Out	10 MHz
Input Coupling	DC
Input Connectors	Precision BNC (Keysight AutoProbe I interface)

Trigger

Trigger Modes	Auto, Triggered, Single
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TECHNOLOGY

Digital Signal Analyzer (DSA)

APPLICATIONS

Signal integrity, high-speed serial compliance, debugging and analysis

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.