

KEYSIGHT TECHNOLOGIES (AGILENT HP)

DSA90404A

The Keysight Infiniium DSA90404A (formerly Agilent) is a high-performance 4 GHz Digital Signal Analyzer designed to address advanced debugging, jitter analysis, and compliance testing for high-speed serial bus designs. Combining low noise, deep memory, and high sampling rates, it features standard clock recovery, real-time eye diagram analysis, and the InfiniiMax II probing system.

SPECIFICATIONS

General

Display	12.1-inch color XGA TFT LCD touch screen, 1024 x 768 resolution
Calibration Interval	1 year

Physical

Operating Temperature	5 to 40 °C °C
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Vertical System

Analog Bandwidth (-3 dB)	4 GHz
Number of Analog Channels	4
Rise Time / Fall Time (10% to 90%)	105 ps
Rise Time / Fall Time (20% to 80%)	73 ps
Input Coupling	DC
Vertical Resolution	8 bits (up to 12 bits with high-resolution mode)
Input Sensitivity Range	1 mV/div to 1 V/div
A/D Converter	8-bit

Horizontal System

Main Timebase Range	5 ps/div to 20 s/div
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Acquisition System

Real-time Sampling Rate (4 Channels)	20 GSa/s per channel
Standard Memory Depth	20 Mpts per channel
Maximum Memory Depth	1 Gpts per channel (option-dependent)

Measurements & Analysis

Real-Time Eye Diagrams & Clock Recovery	Standard (SDA)
Jitter Analysis	Standard (EZJIT+ basic jitter and RJ/DJ separation)
Bandwidth & Noise Reduction Software	Standard

Acquisition

Real-Time Sampling Rate (2 Channels)	40 GSa/s
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TECHNOLOGY

Digital Signal Analyzer (DSA)

APPLICATIONS

High-speed digital design, serial bus validation, jitter analysis, and compliance testing

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