

TEKTRONIX

TLA614-1J-

The Tektronix TLA614 is a 136-channel portable logic analyzer from the TLA600 series, designed to help digital hardware engineers quickly identify elusive faults. It features Tektronix's MagniVu™ acquisition technology, which delivers a high-resolution 2 GHz (500 ps) timing analysis that operates simultaneously with up to 200 MHz state analysis through the same probe. The analyzer supports up to 2 Mb of memory per channel and includes advanced triggering capabilities for glitches and setup/hold violations. iView capability is supported for cross-domain analysis with Tektronix TDS digital storage oscilloscopes.

SPECIFICATIONS

General

Display

Color

General Characteristics

Number of Channels

136

Instrument Architecture

Portable

Timing Analysis (Asynchronous)

Maximum Timing Sample Rate

500 MHz

Transitional Storage

Supported

State Analysis (Synchronous)

Maximum State Clock Rate

100 MHz

Simultaneous State and Timing Analysis

Supported (Through the same probe)

High-Resolution Timing Analysis

High-Resolution Sample Rate

2 GHz (MagniVu™)

High-Resolution Timing Resolution

500 ps (MagniVu™)

Trigger System

Glitch Trigger Capability

Supported

Setup and Hold Triggering

Supported

Software and Analysis Tools

Microprocessor and Bus Support

Supported

Source Code Correlation

Universal Source Code Support for high-level language source to real-time trace correlation

Analog/Digital Cross-Domain Analysis

Integrated View (iView) capability with Tektronix TDS Digital Storage Oscilloscopes

TECHNOLOGY

Logic Analyzer

APPLICATIONS

Digital Circuit Analysis and Hardware Debugging

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