

## TEKTRONIX

# TLA5202B

The Tektronix TLA5202B is a 68-channel logic analyzer from the TLA5000B Series, designed to deliver high-speed timing resolution, deep memory depth, and advanced triggering capabilities for digital designers. Featuring simultaneous MagniVu™ acquisition, it provides 125 ps timing resolution to detect elusive glitches, digital logic errors, and setup/hold violations. Powered by a Windows-based controller with built-in networking, the TLA5202B offers integrated analysis capabilities such as iView™ for time-correlated digital-analog views.

## SPECIFICATIONS

### General

|         |                                                                   |
|---------|-------------------------------------------------------------------|
| Display | 10.4 in. Active-matrix color TFT LCD, 1024 × 768 (XGA) resolution |
|---------|-------------------------------------------------------------------|

### Acquisition Characteristics

|                                 |                                 |
|---------------------------------|---------------------------------|
| Number of Channels              | 68 (64 data, 4 clock/qualifier) |
| Maximum State Acquisition Speed | 235 MHz                         |
| MagniVu Timing Resolution       | 125 ps (8 GHz) on all channels  |

### Triggering System

|                          |           |
|--------------------------|-----------|
| Number of Trigger States | 16 states |
| Trigger Word Recognizers | 16        |

### State and Timing Analysis Modes

|                          |         |
|--------------------------|---------|
| Maximum State Clock Rate | 235 MHz |
|--------------------------|---------|

### Platform and Host System

|                    |                                   |
|--------------------|-----------------------------------|
| Operating System   | Microsoft Windows XP Professional |
| Display Size       | 10.4 in.                          |
| Display Resolution | 1024 × 768                        |
| Display Type       | Active-matrix color TFT LCD       |

### Software and Analysis Features

|                                     |                   |
|-------------------------------------|-------------------|
| Time-Correlated Analog-Digital View | iView™ technology |
|-------------------------------------|-------------------|

### Physical Characteristics

|             |          |
|-------------|----------|
| Form Factor | Benchtop |
|-------------|----------|

## TECHNOLOGY

Logic Analyzer

## APPLICATIONS

Digital hardware design, embedded system debugging, state and timing analysis, setup and hold validation

