

# Multi-Monitor Support Added to Logic Analyzer

Tektronix announced important new advancements to its flagship platform for digital signal integrity. Leading computer and embedded system makers are developing increasingly complex digital devices, which equates to more signals on a logic analyzer's screen at one time. Until now, engineers have been limited to one monitor, scrolling up and down constantly to compare data, and toggling between application windows to work concurrently with the logic analyzer and its debug tools. The new TLA715 and TLA721 mainframes add multi-monitor capability to the TLA700 Series logic analyzers, dramatically increasing the available viewing area, improving productivity and speeding time to market. In addition, the new mainframes use an Intel Pentium III processor to deliver increased system performance.

The sheer number of traces on a logic analyzer diagram is not the only obstacle to efficiently viewing and analyzing data on a logic analyzer display. The software support tools used to debug processor applications are delivering information that is most meaningful when displayed concurrently with bus state data. In addition, new advancements in logic analyzer/oscilloscope interoperability have resulted in the analysis of analog waveform traces on the logic analyzer screen-yet another demand on display space.

The new TLA715 and TLA721 mainframes incorporate an Intel (733 MHz Pentium) III processor to increase computing speed, memory depth and performance.

Supporting the processor is a hard disk with up to 30 gigabytes (GB) capacity and RAM capacity up to 512 megabytes (MB). The new processor and RAM speed up procedures ranging from post processing operations such as disassembly and search to launching and running third party analysis applications.

These performance enhancements introduce support for up to four external monitors, with up to 1600 1200 resolution each. The multi-monitor display gives the user several ways to view information. It is possible to treat the multiple monitors as one continuous display, showing wide spans of acquisition time, or display multiple application windows simultaneously.

The TLA715 mainframe supports two double-width TLA700 Series acquisition modules, while the TLA721 supports five; this capability can be expanded with up to 10 TLA7XMs for a total of 60 modules. Both models accept all existing TLA700 Series instrument modules, including logic analyzer, digital oscilloscope and pattern generator modules. Customers can also upgrade their existing TLA700 Series logic analyzers, reaping the benefits of the latest enhancements while preserving their original investment.

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