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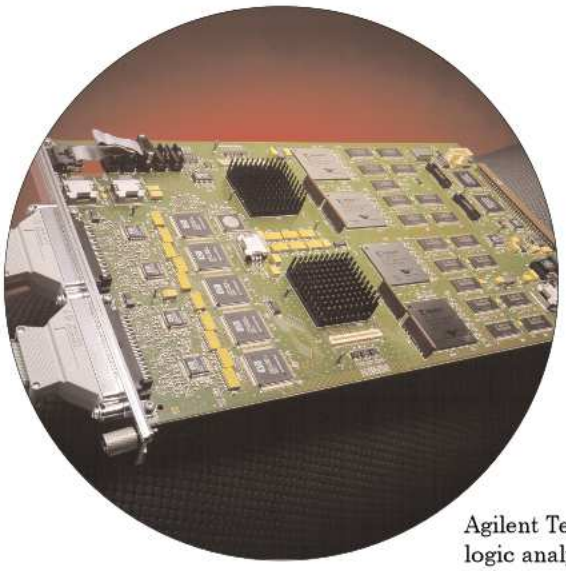
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# Agilent Technologies
# 16750A, 16751A, 16752A
# Logic Analyzer Modules



**Agilent Logic Analyzer Module Features**

| Model Number | 16750A | 16751A | 16752A |
|---|---|---|---|
| Maximum State Speed | 400 MHz | 400 MHz | 400 MHz |
| Conventional Timing Speed (half/full channels) | 800/400 MHz | | |
| Timing Zoom | 2 GHz | 2 GHz | 2 GHz |
| Memory Depth | 4 M | 16 M | 32 M |
| Channels | 68 | 68 | 68 |

Agilent Technologies offers three new logic analyzer modules for designers of next generation computer, networking, and communications systems the 16750A, 16751A, and 16752A.

### 400 MHz State Speed

Fast state speed is critical as you debug the latest microprocessors and high speed data buses because it allows you to capture state data accurately while the device under test runs at full speed.

### Usable Deep Memory

Memory depth is an invaluable resource when you have a difficult to reproduce problem and want to insure that you capture all the clues you need to quick ly solve it. The key to deep memory analysis is usable system performance. The Agilent 16750A, 16751A, and 16752A include innovative hardware enhancements to improve system per formance when you analyze these large data sets.

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# Performance headroom for tomorrow's high-speed digital circuits

### 2 GHz Timing Analysis

Timing Zoom provides simultaneous acquisition of state and timing data through a single probe connection. Timing Zoom is available across all channels, all the time.

### Improved Triggering

VisiTrigger technology is a break through in usability. It combines powerful trigger functionality with a graphical user interface that is easy to understand and use.

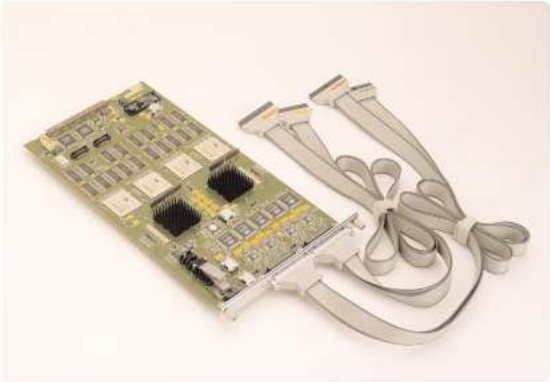
### Reliable State Measurements on High-speed Buses

To make reliable state measurements, a logic analyzer needs to sample stable data. As bus speeds increase, the time when data is stable decreases, so adjusting the setup and hold window of the logic analyzer becomes more critical. Jitter, skew, and pattern dependent intersymbol interference also make the window smaller.

Agilent's eye finder technology automatically adjusts the setup and hold on every channel with 100 ps resolution, eliminating the necessity of manual adjustment and ensuring the highest confidence in accurate state measurements on high speed buses.

### Up to 340 Channels

The new modules each support 68 channels. Five modules can be combined for a total of 340 channels on a single time base and trigger. All modules work with the Agilent 16700A/B and 16702A/B logic analysis systems.



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