

34 CHANNEL LA1034 LOGICPORT LOGIC ANALYZER

Port No:MP-Analyzers-Logic-LA1034



Our LA1034 LogicPort fills the void between expensive analyzers with many channels, and inexpensive analyzers with few channels and limited sample rates.

The LogicPort provides 34 channels sampled at 500MHz. This includes two state-clock inputs which function as normal sampled channels in timing-mode. The LogicPort is controlled and powered via your PC's USB 1.1 or 2.0 port for the ultimate in convenience and portability.

Features include multi-level sequential trigger capability, qualified state-mode sampling with adjustable setup/hold window, selectable logic sense and threshold, built-in interpreters for CAN, I2C, SPI and RS232 protocols, and much more.

The LogicPort's advanced trigger features allow it to trigger on simple or complex sequences of edges, patterns and bus numerical ranges, as well as on specified pattern, range or pulse durations.

You'll find the LogicPort to be feature-rich, yet simple to use. Visit our [Contact US](#) to try the free software for yourself. The installation includes real-world examples of actual acquired data. Explore a 125MHz SDRAM interface sampled at 500MHz, the outputs of a 100MHz A/D converter sampled in state mode, interpreted CAN, I2C, SPI and RS232 data streams, activity on a typical Intel processor bus and more.

Specifications

Sampled channels: 34
Timing mode sample rate: 1KHz to 500MHz (uses LogicPort internal clock)
State mode sample rate: 0 to 200MHz (clock provided by circuit under test)
Sample buffer: 34 x 2048 samples
Maximum sample compression: 2 ³³ to 1 (sample rates to 200MHz)
Trigger sequencer: 250MHz max, 4ns minimum pulse width
Trigger event counters: 20 bits, range 1 to 1,048,576 for each trigger level
Input impedance: 200K Ω , paralleled by <5pF
Frequency counter range: 300MHz with 10Hz resolution, 4 channels
Threshold range: adjustable +6 to -6 volts with 50mv resolution
Threshold accuracy: +/- (100mV + 5% of setting)
Channel to channel skew: 0.6ns typical, 1.0ns max
State mode Setup/Hold times: 2.0/0ns, window adjustable +/-2.5ns

Input sensitivity: 0.25Vpp @50MHz, 0.5Vpp @150MHz, 0.8Vpp @250MHz
Input dynamic range: 10 volts peak-peak
Maximum input: +/-40 volts DC, 15 volts peak-peak AC
Timebase accuracy: +/-0.005% over full temperature range
Input Probe: Teflon insulated leads terminated with individual contacts suitable for use with 0.025"-0.030" round or square pins.
Power supply current: 200 milliamps max (supplied by USB)
Temperature range: operating +5 to +50C, storage -10 to +65C
Minimum system requirements:
Pentium II or better (400MHz or faster recommended)
32MB available memory
20MB available disk space
Display resolution at least 800 x 600 (1024 x 768 recommended)
USB 1.1 or 2.0 port
LogicPort is compatible with the following operating systems:
Windows 98
Windows 98 Second Edition
Windows ME
Windows 2000
Windows XP Home
Windows XP Professional