

# PC-Based Logic Analyzer LA2000P series

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## LA2000P enhance & inherit from LA1000P

200 MHz High speed timing analysis and 75MHz state analysis, with 16 levels trigger condition, pulse width, delay and more complex trigger setting, up to 32/64 channels, and 64k-2Mb memory depth per channel. 5"1/4 inches size that you can install it into your PC case or place it on table which save your space and advance your job flavor.

You can apply the LA2000P to capture many complex signals for circuit debugging. Tested report and captured waveforms are easy saved for post managed. You can save it to be a Text file for your further analysis. You can save it to be a BMP file for

compared with next waveforms, or email to your partners for co-worked.

## Best Software and Hardware Interface











The LA2000P has the best Windows UI. LA-viewer can run in Win98/ME/2000/NT/XP, The multi-thread feature allows your tested object working with LA2000P in the same time of one PC. There are 3 hardware interface you can choose one to connect LA2000P with PC or Notebook: Internal-PCI, External-Parallel port / USB optional. Don't worry to conflict with your system collocation.

## Application

By using Acute LA2000P, you can capture unknown system data outputs and reform them by the Acute-PG. The Acute-PG will output this data immediately. If you combine LA2000P and Acute-PG series, it becomes an auto test and auto certification system. To connect LA2000P Trigger-Out port with Oscilloscope Ext-trig port, you can capture analog signal in the same time.

For more information about Acute products and the LA2000P, please visit our web site. We also provide **free software for your evaluation.**

## Logic Analyzer LA2000P series equipment

		LA2132P	LA2164P	
1.	LA2000P mainframe	1	1	
2.	Signal isolation amplifier box	2	4	
3.	Signal connector/1x16 color line	2	4	
4.	Ground line/black 1x2 line with red mark	2	4	
5.	Gripper (Black)	34	68	
6.	Interface card (PCI)	1	1	
7.	Interface card connected cable (25 pins)	1	1	
8.	Power transfer cable	1	1	
9.	12VDC 2A Regulator (optional for External)	1	1	
10.	Printer Round cable (optional for External)	1	1	
11.	Installation CD	1	1	
12.	Manual	1	1	
13.	Screw	1	1	
1.	2.	3.	4.	5.
				
6.	7.	8.	9.	10.
				

# Logic Analyzer –

## Acute LA2000P Series Specifications & Characteristics

Specifications		LA2132P	LA2164P
Power	Power Source (Internal/External)	PC Power / Adapter (12V)	
	Static Power Dissipation	3.6W	
	Max Power Dissipation	11W	
Interface	Internal Connection	PCI card	
	External Connection	Parallel (EPP, Bi-direction) <b>USB</b> optional	
Timing Analysis (Sample Rate)		200 MHz	
State Analysis (External Clock)		75MHz	
Band Width		75 MHz	
Channels		32	32/64
Memory	Channel Storage Depth	Standard size: 64k/128kb Optional size: 256kb/512kb/1Mb/2Mb	
Trigger	Condition	Pattern & Edge	
	Channels	32	32/64
	Pass Count	0 ~ 4095	
	Width (less/more)	10 bits	
	Delay	28.5 bits	
	Levels	16	
	Level to Level setting	Continue/Discontinue	
	Trigger Logic Type	AND/OR	
	Pre/Post Trigger	Yes	
	Trigger Output Level (for Scope)	TTL	
	Acknowledge to Trig-Out port (BNC)	< 80ns	
Threshold	Range	-6.8V ~ +7.2V	
	Accuracy	±55mV	
Maximum Input Voltage		±30V	
Impedance		500KΩ shunted by 10pF	
Temperature	Operating Temperature	5°C ~ 45°C (41°F ~ 113°F)	
	Storage Temperature	-40°C ~ 75°C (-40°F ~ 167°F)	
Data Skew		< 2ns	
Mainframe Volume	Length x Width x Height (mm)	197 x 147 x 42 mm	

### System Requirement

- ◆ Above INTEL Pentium100 compatible PC.
- ◆ One PCI Bus Slot (for Internal connection)
- ◆ Parallel Port: EPP/ECP/Bi-direction mode (for External) or USB port (optional for External)
- ◆ 64M Bytes Memory.
- ◆ Disk Space more than 32M Bytes.
- ◆ CD-ROM Drive for installation CD.
- ◆ 640x480 VGA or higher.
- ◆ 101 Key Keyboard.
- ◆ Mouse.
- ◆ Printer (option).
- ◆ Windows 98/ME/2000/NT/XP Operating System.

