

# PC-Based Logic Analyzer Pocket-LA 1616<sup>+</sup>

Acute Technology Inc.  
<http://www.acute.com.tw>  
 E-mail: [service@acute.com.tw](mailto:service@acute.com.tw)  
 TEL: +886-2-2999-3275  
 FAX: +886-2-2999-3276



## Acute Pocket-LA exceed your image

400 MHz High speed timing analysis, 125MHz state analysis, up to 16 channels, and 1Mb memory depth per channel; USB interface and no power adapter required, pocket size that you can port it to anywhere. Really advance your job flavor.

## Purpose

You can apply the Pocket-LA to capture many complex signals for circuit debugging. The Pocket-LA is also a good tutorial tool that assists

students to understand digital timing relationship. Testing report and captured waveforms are easy saved for post managed. You can save it to be a Text file for your further analysis. You also can save it to be a BMP file for comparison with other waveforms, or email to your partners for co-worked.

## The Best Interface

The Pocket-LA has the best Windows UI. LA-viewer can execute in Win98/ME/2000/XP, The multi-thread feature allows your tested object working with Pocket-LA in one PC. Using USB hardware interface to connect with your PC or Notebook, Pocket-LA is no required for extra **power adapter**.

## Application

By using Acute Pocket-LA, you can capture unknown system signals and reform them by Acute-PG. The PG will output these data immediately.

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

## Packing List of Pocket-LA1616<sup>+</sup>

Item	Description	PkLA-1616 <sup>+</sup>		
1.	PKLA-1616 <sup>+</sup> mainframe	1		
2.	Signal 1x16 color line	1		
3.	Ground 1x2 black line with red mark	1		
4.	Probe (Black)	18		
5.	USB A-B Cable (1.8m)	1		
6.	Installation CD	1		
7.	Acute-LA manual	1		
8.	Pocket-LA wallet	1		
1.	2.	3.	4.	5.

It's hard to believe it, but we make it. We developed the smallest size Logic Analyzer of the world first. To provide engineer and technician the best tools is ACUTE's heavy duty. We spent a lot of time and cost to solve Pocket-LA power dissipation issue. Now, you just plug ACUTE Pocket-LA into USB port and start to use it immediately, not require any other peripheral s such as power adapter. Really Plug & Play, really portable.

**What wonderful things, we make it. You get it.**

# Logic Analyzer –

## Acute Pocket-LA Specifications & Characteristics

Specifications		PKLA1616 <sup>+</sup>
Power	Power Source	USB bus-power (+5V)
	Static Power Dissipation	0.75W
	Max Power Dissipation	<2.5W
	Protection	Re-settable Fuse (750mA)
Hardware Interface		<b>USB2.0</b>
Timing Analysis (Sample Rate)		400 MHz ~ 100 Hz
State Analysis (External Clock)		125MHz ~ 0
Bandwidth		125 MHz
Channels		16
Memory	Storage Depth/Channel	1Mb
Trigger	Condition	Pattern & Edge
	Channels	16
	Pre/Post Trigger setting	Yes
	Levels	1 Edge/Pattern @ 16 Channels
	Pass Count	0 ~ 255
Threshold	Range	-7.2V ~ +6.8V
	Accuracy	±55mV
Maximum Input Voltage		±30VDC; 18 Vpp AC
Impedance		> 500KΩ // < 7pF
Temperature	Operating Temperature	5°C ~ 45°C (41°F ~ 113°F)
	Storage Temperature	-40°C ~ 75°C (-40°F ~ 167°F)
Data Skew		< 1ns
Software features	Zoom In & Zoom Out	1/2048 ~ 32
	Languages	English/Chinese
	Wave Height	Adjustable
	Save Wave & Load Wave	Yes
	Print Wave	Yes
	Project Manager	Yes
	Online Help	Yes
	Output to Bitmap file	Yes
	Output to Text file	Yes
	Output to PGV (Acute-PG) file	Yes
Dimensions	Trig, Aux. Cursor	1, 5
	Length x Width x Height (mm) <sup>3</sup>	117 x 72 x 20 (mm) <sup>3</sup>

### System Requirement

- ◆ Above INTEL Pentium 100 compatible PC
- ◆ One USB A type port
- ◆ Windows 98/ME/2000/XP Operating System
- ◆ 8M Bytes Memory
- ◆ Disk Space more than 1M Bytes.
- ◆ One CD-ROM drive for installation
- ◆ 640x480 VGA or higher
- ◆ 101 Key Keyboard
- ◆ Mouse

