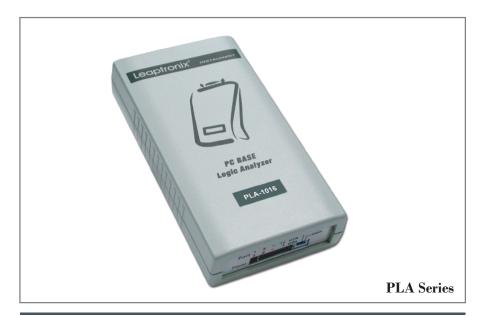
# **PC-Based Logic Analyzer**

Provide the best



The PLA Series ( PC based logic analyzers ), provide digital software and hardware designers the ability to readily capture the complex signals in a digital environment that require analysis and/or debugging. Furthermore, their compact size and USB connectivity to a laptop makes them an ideal solution for field applications.

#### **Features**

- Internal(asynchronous) and External (synchronous) capture:
   Offer a more convenient environment for engineers.
- The timing of each cursor mark to the trigger can be shown.
- Provide binary code and hexadecimal List mode (State) display.
- Able to save the measuring data and waveform completely.
- Offers I<sup>2</sup>C, SPI, UART etc. signal decode function.
- Provide various signal trigger and capture:
  Pattern / Edge / AND / OR, 4 kinds of trigger modes.
- Pre-trigger, 3 level Post-trigger and continued-trigger functions make user operate more easily.
- Bus analysis and glitch capture function.
- 256K Bytes / 2M Bytes long memory depth; each CH memory depth is up to 128Kbits / 512Kbits
- Able to set the sample rate size by users, which avoid capturing time too long.

- Provide "Trigger Counter" and "Pulse Width Trigger" function.
- Provide High-speed Zoom In / Zoom Out function.
- Smart software provides text file for saving the Binary Code of waveform.
- Connect to PC which able let the user to view, save, analyze and printout the data
- No need extra power, just connect to the USB.

## Application

- Development, measurement and quality control for digital products.
- Electronic, Electric machinery, Communication, Biotechnology and Medical digital products.

## **Physical Specification**

#### Timing

 $100\mathrm{MHz}$  /  $250\mathrm{MHz}$ 

#### State

 $100 \mathrm{MHz}$ 

#### Bandwidth

 $100 \mathrm{MHz}$ 

#### Channels

16 / 32CH

#### RAM Size

256K / 2M Bytes

### Storage Depth per Channel

128K bits x 16CH

512K bits x 32CH

#### **Maximum Input Voltage**

 $\pm 30V$ 

#### **Threshold Range**

 $-4V\sim+4V$ 

#### PC OS:

Win-98/2k/XP/Vista 32

#### PC Link Interface

USB 2.0

#### Power

Via USB

## Temperature

0°℃~45°℃

## Dimension

15(W) x 8(D) x 3(H) cm

### Weight

230/240g

## Standard Accessories

Main Unitx1
Lead Set
(each set include 16 signal + 2 ground)
16CHx1
32CHx2
CDx1 (PC Link software & User's manual)
USB Cablexl

## More product information

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# **PLA Series Product Specification**

	DI 4 1016	DI 1 0700
Mode	PLA-1016	PLA-2532
Timing Analysis	$100 \mathrm{MHz, Max} (10 \mathrm{ns})$	250MHz,Max(4ns)
State Analysis	100MHz(Max)	100MHz(Max)
Bandwidth	100MHz	100MHz
Channels	16CH	32CH
MEMORY		
RAM Size	256K Bytes	2M Bytes
Storage Depth per Channel	128Kbits x $16$ CH	512Kbits x $32$ CH
TRIGGER		
Condition	Pattern / Edge / AND / OR	Pattern / Edge / AND / OR
Channels	16CH	32CH
Pre/Post Trigger	YES	YES
Trigger Levels	3 (Edge or Pattern)	3 (Edge or Pattern)
Continue Trigger	YES	YES
Trigger out	YES (TTL Level)	YES (TTL Level)
Trigger Counter	1~255	1~255
Pulse Width Trigger	YES	YES
Bus Analysis	YES	YES
Glitch Capture	10ns	$4 \mathrm{ns}$
Threshold Range		
Range	-4V∼+4V	-4V∼+4V
Acuracy	$\pm 50 \mathrm{mV}$	$\pm 50 \mathrm{mV}$
Maximum Input Voltage	$\pm 30 \mathrm{V}$	$\pm 30\mathrm{V}$
Impedance	$100 \mathrm{K}\Omega$ shunted by $pprox 10 \mathrm{pF}$	$100 \mathrm{K}\Omega$ shunted by ${\approx}10 \mathrm{pF}$
Temperature		
Operating	0°C ~45°C (41°F ~113°F)	0°C∼45°C(41°F∼113°F)
Storage	-40°C ~75°C (-56°F ~167°F)	-40°C ~75°C (-56°F ~167°F)
Data Skew(Channel to Channel)	10ns typical	4ns typical
PC Link Interface	USB 2.0	USB 2.0
Power	USB	USB
Dimension		
(W) x (D) x (H) cm	$15(W) \times 8(D) \times 3(H) \text{ cm}$	$15(\mathrm{W})\ge 8(\mathrm{D})\ge 3(\mathrm{H})\ \mathrm{cm}$

