

# PC-Based Logic Analyzer

Provide the best measurement solution



PLA Series

## Physical Specification

<b>Timing</b>	100MHz / 250MHz
<b>State</b>	100MHz
<b>Bandwidth</b>	100MHz
<b>Channels</b>	16 / 32CH
<b>RAM Size</b>	256K / 2M Bytes
<b>Storage Depth per Channel</b>	128K bits x 16CH 512K bits x 32CH
<b>Maximum Input Voltage</b>	±30V
<b>Threshold Range</b>	-4V ~ +4V
<b>PC OS:</b>	Win-98/2k/XP/Vista 32
<b>PC Link Interface</b>	USB 2.0
<b>Power</b>	Via USB
<b>Temperature</b>	0°C ~ 45°C
<b>Dimension</b>	15(W) x 8(D) x 3(H) cm
<b>Weight</b>	230/240g

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.

### Standard Accessories

Main Unit.....	x1
Lead Set (each set include 16 signal + 2 ground)	
16CH.....	x1
32CH.....	x2
CD.....	x1
(PC Link software & User's manual)	
USB Cable.....	x1

### More product information

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## PLA Series Product Specification

Mode	PLA-1016	PLA-2532
Timing Analysis	100MHz,Max(10ns)	250MHz,Max(4ns)
State Analysis	100MHz(Max)	100MHz(Max)
Bandwidth	100MHz	100MHz
Channels	16CH	32CH
<b>MEMORY</b>		
RAM Size	256K Bytes	2M Bytes
Storage Depth per Channel	128Kbits x 16CH	512Kbits x 32CH
<b>TRIGGER</b>		
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	4ns
<b>Threshold Range</b>		
Range	-4V~+4V	-4V~+4V
Accuracy	±50mV	±50mV
Maximum Input Voltage	±30V	±30V
Impedance	100KΩ shunted by ≈10pF	100KΩ shunted by ≈10pF
<b>Temperature</b>		
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
<b>Dimension</b>		
(W) x (D) x (H) cm	15(W) x 8(D) x 3(H) cm	15(W) x 8(D) x 3(H) cm
Weight	230g	240g

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