

PC-Based Logic Analyzer

Provide the best
measurement solution



PLA Series

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 I²C, 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

100MHz / 250MHz

State

100MHz

Bandwidth

100MHz

Channels

16 / 32CH

RAM Size

256K / 2M Bytes

Storage Depth per Channel

128K bits x 16CH

512K bits x 32CH

Maximum Input Voltage

±30V

Threshold Range

-4V ~ +4V

PC OS:

Win-98/2k/XP/Vista 32

PC Link Interface

USB 2.0

Power

Via USB

Temperature

0°C ~ 45°C

Dimension

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

Weight

230/240g

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
MEMORY		
RAM Size	256K Bytes	2M Bytes
Storage Depth per Channel	128Kbits x 16CH	512Kbits x 32CH
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	4ns
Threshold Range		
Range	-4V~+4V	-4V~+4V
Acuracy	±50mV	±50mV
Maximum Input Voltage	±30V	±30V
Impedance	100KΩ shunted by ≈10pF	100KΩ shunted by ≈10pF
Temperature		
Operating	0℃~45℃ (41°F~113°F)	0℃~45℃ (41°F~113°F)
Storage	-40℃~75℃ (-56°F~167°F)	-40℃~75℃ (-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) x 8(D) x 3(H) cm	15(W) x 8(D) x 3(H) cm
Weight	230g	240g