

# **CEIBO PLA-1016C/2532C PC Based Logic Analyzer**



*Logic Analyzer with USB Connectivity*

## **FEATURES**

- **16/32-Channel Logic Analyzers with USB Connection**
- **256KBytes/2MBytes Memory Depth**
- **Each Channel Memory Depth is up to 128KKBits /512KKBits**
- **100MHz/250MHz Timing Analysis**
- **Offers I2C, SPI, UART Signal Decoding**
- **Internal/Asynchronous and External/Synchronous Capture**
- **Binary Code and Hexadecimal State Display**
- **Able to Save Data and Waveforms**
- **Various Signal Trigger and Capture Modes**
- **Pre-Trigger, 3 Level Post-Trigger and Continued-Trigger Functions**
- **Bus Analysis and Glitch Capture**
- **User Defined Sampling Rate**
- **Trigger Counter and Pulse Width Trigger**
- **High-speed Zoom In / Zoom Out**
- **No Power Supply Needed**

## SPECIFICATIONS

<b>Model</b>	<b>PLA-1016C</b>	<b>PLA-2532C</b>
Timing Analysis	100MHz,Max(10ns)	250MHz,Max(4ns)
State Analysis	100MHz(Max)	100MHz(Max)
Bandwidth	100MHz	100MHz
Channels	16	32
<b>Memory</b>		
RAM Size	256 KBytes	2 MBytes
Storage Depth per Channel	128 Kbits x 16 Channels	512 Kbits x 32 Channels
<b>Trigger</b>		
Condition	Pattern/Edge/AND/OR	Pattern/Edge/AND/OR
Channels	16	32
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 to 255	1 to 255
Pulse Width Trigger	YES	YES
Bus Analysis	YES	YES
Glitch Capture	10ns	4ns
Logic Levels	1 set	2 set
<b>Threshold Range</b>		
Range	-4V to +4V	-4V to +4V
Acuracy	±50mV	±50mV
Maximum Input Voltage	±30V	±30V
Impedance	100KΩ shunted by 10pF	100KΩ shunted by 10pF
	10ns typical	4ns typical
<b>Computer Interface</b>		
PC Link Interface	USB 2.0	USB 2.0
Power	From PC/USB	From PC/USB
Windows	Win-98/2k/XP/Vista 32	Win-98/2k/XP/Vista 32
<b>Dimensions</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
<b>Series Bus Protocol Analysis</b>		
SPI	YES	YES
I2C	YES	YES
UART	YES	YES

## ITEMS SUPPLIED AS STANDARD

Main Unit.....x1

Lead Set (each set include 16 signal + 2 ground):

16 Channel/PLA-1016C .....x1

32 Channel/PLA-2532C.....x2

PC Link software & User's manual.....x1

USB Cable.....x1

## ORDERING INFORMATION

<i>Item</i>	<i>Description</i>
PLA-1016C	16-Channel/256Kbyte/100MHz Logic Analyzer
PLA-2532C	32-Channel/2Mbyte/250MHz Logic Analyzer