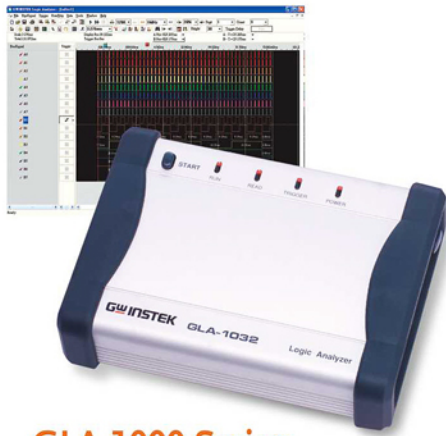


# 32/16 Channel 200MHz Pc Based Logic Analyzer



## GLA-1000 Series



### FEATURES

- \* 32/16 Input Channel
- \* Time Analysis : Up to 200MHz Internal Sampling Rate
- \* State Analysis : Up to 100MHz External Input Clock
- \* Memory Depth : Up to 2Mbits/1Mbits (Half/Full Channels)
- \* Advanced Trigger : Count, Page, Time Delay and Clock Event Delay
- \* Data Compression : Up to 255 Times Data Capture
- \* Signal Analyzer : I<sup>2</sup>C , RS-232C Protocol Analyzer and Signal Statistics
- \* File Export : Signal Data, Operation Setting and Display Image
- \* Manual Trigger Start Button
- \* High-Speed Communication : USB 2.0 (1.1 Compatible)
- \* USB Powered, Without External AC Power
- \* Operating System : WinXP/Vista/Win7

The GLA-1000 Series is a palm-sized PC based logic analyzer with functionality matching that of a desktop device. A maximum 32 channels, 32Mbits of data memory (GLA-1032), a 200MHz internal sampling rate and advanced trigger settings provide high accuracy and lengthy data analysis results. Features such as Data-loss-less compression, Enable Qualifier and Serial Bus Protocol Analyzer provide you with a tool to adequately analyze today's complex digital systems. All data and configurations can be saved into a PC for further data analysis. The GLA-1000 Series operates over a high speed USB 2.0 connection and is fully powered by the USB bus.

SPECIFICATIONS			
	GLA-1016	GLA-1032	GLA-1132
<b>CHANNELS</b>			
	16	32	32
<b>MEMORY TOTAL/PER CHANNEL</b>			
	4Mbits/256kbits	4Mbits/128kbits	32Mbits/1Mbits
<b>INTERFACE</b>	USB 2.0 (1.1)		
<b>OPERATING SYSTEM</b>	Win XP / Vista / Win 7		
<b>TIMING ANALYSIS</b>	Maximum 200MHz		
<b>STATE ANALYSIS</b>	0.001Hz ~ 100MHz		
<b>TRIGGER</b>			
Channel	16	32	32
Condition	Edge/Pattern		
Pre/Post trigger	0%~100%		
Level	1		
Threshold	+6V ~ -6V		
Resolution	±93mV		
Delay	Time delay, clock event delay		
Count	1 ~ 65535		
Page	Maximum 8191		
<b>INPUT</b>			
Maximum Input Voltage	±30V		
Impedance	500kΩ/10pF		
Data Skew	< 1.5ns		
<b>ENABLE QUALIFIER</b>			
Channel	16	32	32
Enable Condition	Don't care, Low, High		
Enable Delay	1~65535ms		
<b>DATA</b>			
Compression Channels	16	24	24
Compression Ratio	Maximum 255		
Signal Statistics	Positive/Negative, Full cycle within length condition		
Protocol Analyzer	I <sup>2</sup> C, RS-232C		
<b>CURRENT CONSUMPTION</b>			
Static	Maximum 200mA		
Working	Maximum 400mA		
<b>POWER DISSIPATION</b>			
Static	Maximum 1W		
Working	Maximum 2W		
<b>POWER</b>			
Interface	USB		
Working voltage	4.5V ~ 5.5V		
<b>DIMENSION &amp; WEIGHT</b>	137(W) x 39(H) x 102(D) mm ; Approx. 340g		

### ORDERING INFORMATION

**GLA-1016** 16 Channels, 256kbit/Channel  
**GLA-1032** 32 Channels, 128kbit/Channel  
**GLA-1132** 32 Channels, 1Mbit/Channel (Long Memory)

#### ACCESSORIES :

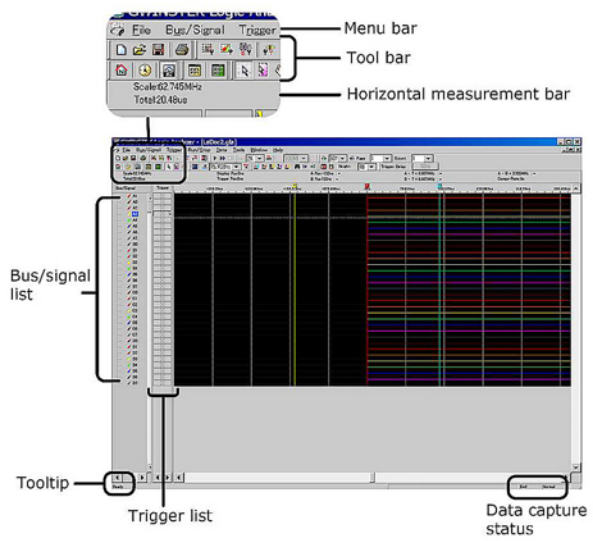
User manual x 1 , Carrying Case , Software CD-ROM  
 Probe - **GTL-161** : 16 channel Testing probe x 1 for GTL-1016  
 Probe - **GTL-161** : 16 channel Testing probe x 2 for GTL-1032/ 1132  
 Testing Gripper - **GCP-201** x 1 : 20pcs. signal grippers for GLA-1016  
 Testing Gripper - **GCP-201** x 2 : 40pcs. signal grippers for GLA-1032/ 1132  
 USB Cable - **GTL-246** : USB cable (USB 2.0 Type A - Type B, 4P) x 1

#### FREE DOWNLOAD

PC Software



**A. USER-FRIENDLY PC OPERATION WITH GUI ENVIRONMENT**



**GTL-161 Testing Probes**

16 channel, 25cm (8pin x 2, 2pin x 1, 1pin x 1)  
For : GLA-1016

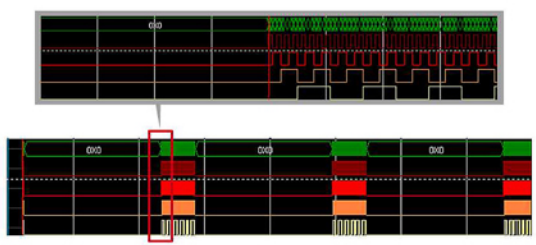


**GCP-201 Testing Gripper**

20 pcs. signal grippers  
For : GLA-1016/1032/1132

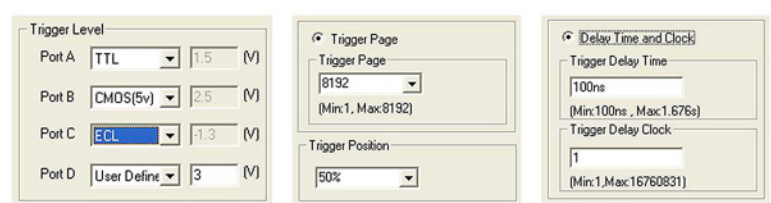


**B. LOSSLESS DATA COMPRESSION**



Up to x 255 Memory Utilization

**C. ADVANCED TRIGGER FUNCTIONALITIES**



Level Configuration, Count/Page Delay, Time and Clock Event Delay