

## 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
- \* Enable Qualifier : High/Low Level Enable and Enable Delay Function
- \* 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



GLA-1000 Series is a palm-size PC based logic analyzer with functionality matching that of a desktop device. The maximum 32 channels, 200MHz internal sampling rate, 1Mbits of data memory and advanced trigger settings give user higher accuracy and longer data analysis result. The unique features "Data-loss-less compression", "Enable Qualifier" and "Serial Bus Protocol Analyzer" provide engineers & professionals with a mean, which can adequately handle today's digital system analysis. The whole captured data and setting of GLA-1000 Series could be saved as various types of files into PC for further data analysis, reporting, and other applications. The USB 2.0 communication between GLA-1000 Series and the PC guarantees the secured data transfer at the maximum speed while providing GLA-1000 Series with power source.

SPECIFICATIONS			
	GLA-1016	GLA-1032	GLA-1132
<b>CHANNELS</b>			
CHANNELS	16	32	32
<b>MEMORY TOTAL/PER CHANNEL</b>			
MEMORY TOTAL/PER CHANNEL	4Mbits/256kbits	4Mbits/128kbits	32Mbits/1Mbits
<b>INTERFACE</b>			
INTERFACE	USB 2.0 (1.1)		
<b>OPERATING SYSTEM</b>			
OPERATING SYSTEM	Win98/98SE/Me/2000/XP		
<b>TIMING ANALYSIS</b>			
TIMING ANALYSIS	Maximum 200MHz		
<b>STATE ANALYSIS</b>			
STATE ANALYSIS	0.001Hz ~ 100MHz		
<b>TRIGGER</b>			
Channel	16 (GLA-1016), 32 (GLA-1032/1132)		
Condition	Edge/Pattern		
Pre/Post trigger	0%~100%		
Level	1		
Threshold	+6V ~ -6V		
Accuracy	93mV		
Delay	Time delay, clock event delay		
Count	1 ~ 65535		
Page	Maximum 8191		
<b>INPUT</b>			
Maximum Input Voltage	30V		
Impedance	500k /10pF		
Data Skew	< 1.5ns		
<b>ENABLE QUALIFIER</b>			
Channel	16 (GLA-1016), 32 (GLA-1032/1132)		
Enable Condition	Don't care, Low, High		
Enable Delay	1~65535ms		
<b>DATA</b>			
Compression Channels	16 (GLA-1016), 24 (GLA-1032/1132)		
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>			
DIMENSION & WEIGHT	137(W) x 39(H) x 102(D) mm ; Approx. 340g		

**ORDERING INFORMATION**

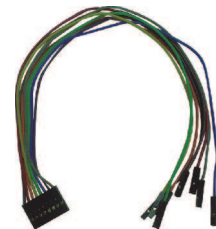
- GLA-1016** 16 channels, 256Kbit/channel
- GLA-1032** 32 channels, 128Kbit/channel
- GLA-1132** 32 channels, 1Mbit/channel (Long memory)

**ACCESSORIES :**

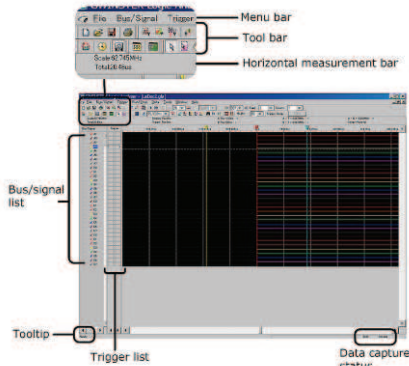
- User manual x 1 , Carrying Case , Software CD-ROM
- Testing Probes - GTL-161 : 16 channel, 25cm (8pin x 2, 2pin x 1, 1pin x 1) for GLA-1016
- Testing Gripper - GCP-201 : 20 pcs. signal grippers for GLA-1016
- Testing Gripper - GCP-201 x 2 : 40 pcs. signal grippers for GLA-1032/1132
- USB Cable - GTL-243 : USB2.0 cable, A-B type

**GTL-161 Testing Probes**

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



**A. Friendly PC Operation with GUI Environment**

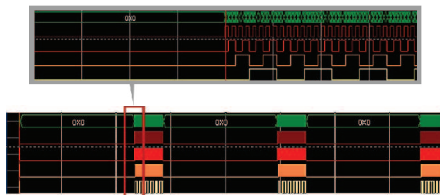


**GCP-201 Testing Gripper**

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

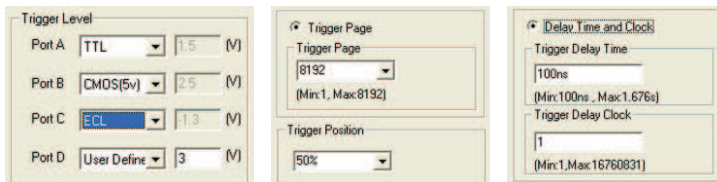


**B. Losses Data Compression**



Up to x 255  
Memory Utilization

**C. Advance Trigger Functionalities**



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