

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 : I²C , 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
CHANNELS			
	16	32	32
MEMORY TOTAL/PER CHANNEL			
	4Mbits/256kbits	4Mbits/128kbits	32Mbits/1Mbits
INTERFACE	USB 2.0 (1.1)		
OPERATING SYSTEM	Win XP / Vista / Win 7		
TIMING ANALYSIS	Maximum 200MHz		
STATE ANALYSIS	0.001Hz ~ 100MHz		
TRIGGER			
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		
INPUT			
Maximum Input Voltage	±30V		
Impedance	500kΩ/10pF		
Data Skew	< 1.5ns		
ENABLE QUALIFIER			
Channel	16	32	32
Enable Condition	Don't care, Low, High		
Enable Delay	1~65535ms		
DATA			
Compression Channels	16	24	24
Compression Ratio	Maximum 255		
Signal Statistics	Positive/Negative, Full cycle within length condition		
Protocol Analyzer	I ² C, RS-232C		
CURRENT CONSUMPTION			
Static	Maximum 200mA		
Working	Maximum 400mA		
POWER DISSIPATION			
Static	Maximum 1W		
Working	Maximum 2W		
POWER			
Interface	USB		
Working voltage	4.5V ~ 5.5V		
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 :

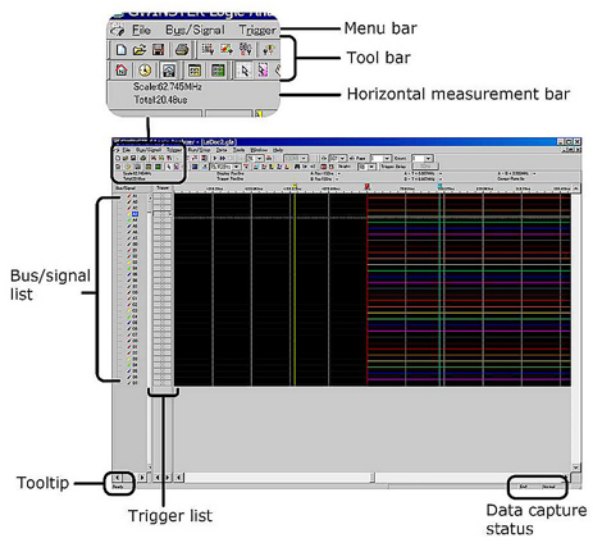
User manual x 1 , Carrying Case , Software CD-ROM
 Probe - **GTL-161** : 16 channel Testing probe x 1 for GTL-1016
 Probe - **GTL-161** : 16 channel Testing probe x 2 for GTL-1032/ 1132
 Testing Gripper - **GCP-201** x 1 : 20pcs. signal grippers for GLA-1016
 Testing Gripper - **GCP-201** x 2 : 40pcs. 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

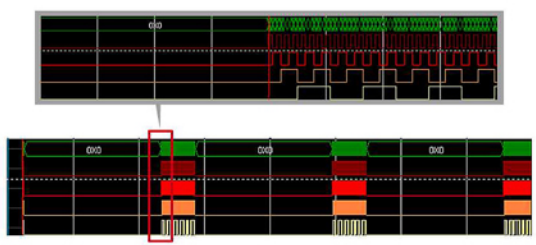


GCP-201 Testing Gripper

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

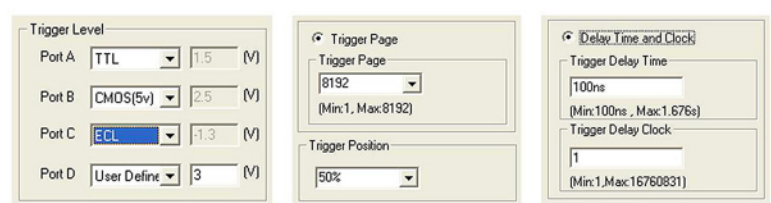


B. LOSSLESS DATA COMPRESSION



Up to x 255 Memory Utilization

C. ADVANCED TRIGGER FUNCTIONALITIES



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