

PC-Based Pattern Generator

PkPG-2116⁺

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Acute PkPG2116⁺ Features

1. Pocket size, No external power adapter required
2. Up to 16 channels, plus 4 special I/O channels
3. Data size: 512k bits/channel
4. Pocket size, Power by USB
5. USB interface, Plug and Play
6. Output voltage provides Hi-Z and 8 levels
7. Default patterns: RS232, Syn/Asyn-Counter, etc.
8. Manual patterns: Direct draw/Acute-LA/Text, etc.
9. OS supports Win98/ME/2000/XP

Purpose

Not only can you apply the PkPG-2116⁺ for circuit emulation, IC testing and ROM simulation, but also can use for protocol simulation and IC programmer. Acute PkPG-2116⁺ provides many popular data waveforms so that is very easy to control, such as "Direct Draw DATA waveform", "TEXT file convert", "Altera waveform convert", "Acute LA waveform convert" and so on. Friendly USER interface help you learn it in short time.

Application

By using Acute-LA, you can capture unknown system signals and reform them by the PkPG-2116⁺. The PkPG-2116⁺ will output these data immediately. If you combine Acute-LA and Acute-PG together, it becomes an auto testing and auto certification system.

Acute will also continually provide other popular interface programs such as PLD and FPGA simulation utility, Test Vector transfer, and more.

For more information about Acute products and the PkPG-2116⁺, please visit our web site. We also provide **free software for your evaluation**.

Pattern Generator PkPG-2116⁺ equipment

Item	Description	PkPG-2116 ⁺		
1.	PkPG-2116 ⁺ mainframe	1		
2.	Signal 1x20 color line	1		
3.	Ground 1x2 black line with red mark	1		
4.	Probe (Red)	22		
5.	USB A-B cable (1.8m)	1		
6.	Installation CD	1		
7.	Acute-PG manual	1		
8.	Pocket wallet	1		
1.	2.	3.	4.	5.
				

Now, you just plug the Pocket-PG into USB port and you may start to use it immediately, not require any other peripherals such as power adapter to occupy your space. Really Plug & Play, really portable.

What wonderful things, we make it. You get it.

Pattern Generator —

Acute PkPG-2116⁺ Specifications

Specifications		PkPG-2116 ⁺
Power	Power Source (Internal/External)	USB bus-power (+5V)
	Static Power Dissipation	0.75W
	Max Power Dissipation	< 2.5W
	Protection	Re-settable Fuse (750mA)
Hardware Interface		USB2.0
Number of Output Channels		16 (ch-0 ~ ch-15)
Max. Data Rate		200M bits/s
Operation Clock System	Internal Operation Clock Range	200MHz ~ 10Hz
	Internal Operation Clock Mode	Adjustable (Fine tune)
	Internal Operation Clock Output Channels	1 Channel (ch-19; Voltage = Output Type)
	External Operation Clock Range	≤ 200MHz
	External Operation Clock Mode	Internal/External Clock Logic Not, And
	External Operation Clock Input Channels	1 Channel (ch-18; Voltage = Output Type)
Data Flow Control		Loop Jump Wait for Event Branch (If command)
Output Type		5V, 3.3V, 3V, 2.8V, 2.5V, 2.1V, 1.8V, 1.5V, Hi-Z
Fan out		20mA/ea. (Total < 200mA)
Data Skew		< 1ns
Memory	Total Memory Size	16M Bits
	Memory Depth (in vectors)	512kb/ch
Event	Internal Event	Hot Key
	External Event Channel	2 (ch-16, ch-17)
	External Event Mode	Events Not, Or
	External Event Threshold	Same as output channel voltage type
Temperature	Operating Temperature	5°C ~ 45°C (41°F ~ 113°F)
	Storage Temperature	-40°C ~ 75°C (-40°F ~ 167°F)
Software Features	Operating System	Windows 98/ME/2000/XP
	Languages	English/Chinese
	Save & Load Waveform	Yes
	Print Waveform	Yes
	Online Help	Yes
	Regular Waveform Generator	Synchronous Counter Asynchronous Counter Printer (SPP)
	Waveform Editing Interface	Waveform Drawing Script File
	Waveform Conversion	Acute-LA (.LAW) Acute-PG vector file (Text) Altera (.TBL) Customer Requirement
	Dimensions	Length x Width x Height (mm) ³
		117 x 72 x 20 (mm) ³

System Requirement

- ◆ Above Pentium 100 compatible PC or Notebook
- ◆ One USB A-type port
- ◆ PC memory size above 8M Bytes
- ◆ Hard Disc empty space over 8M Bytes
- ◆ CD-ROM driver for installation
- ◆ 640x480 VGA above, 800x600 recommended
- ◆ 101 key keyboard
- ◆ Mouse
- ◆ OS: Windows 98/ME/2000/XP

