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INDUSTRIAL PRODUCT DATASHEET

LA5016 Logic Analyzer

The LA5016 Logic Analyzer delivers 16-channel 500M sampling with large compressed depth and a built-in PWM generator in a portable, lightweight, and USB-interfaced form factor with powerful software.

SKU	UPDATED	PRICE
109990066	2024-08-09 02:02:38	$168.00(Excl. VAT)



Overview



The LA5016 Logic Analyzer is a high-performance device featuring 16 channels and a 500M sampling rate. Key benefits include a portable and lightweight design, large sampling depth with compression, a built-in PWM generator, USB 2.0/3.0 compatibility, and powerful, easy-to-use software.

Key Features

LA5016 is a high-performance logic analyzer with 16 channels and 500M sampling rate. It is composed of two parts: software on personal computer and hardware equipment. It has the advantages of high sampling rate, large sampling depth, easy to use, etc.

LA5016 can sample 16 digital signal at same time. Then the sampled data can be displayed, analyzed, exported and saved on the computer. Software can also decode the data if it conform to the standard protocol of the software supported. Then the decoded data can be displayed, exported and saved.

Features

- Portable and lightweight
- 500M sampling rate @ full channels
- Large sampling depth and support compression
- The built-in PWM generator
- Compatible USB2.0/3.0 interface
- Powerful software and easy to use
- Support online upgrade automatically

Specifications

- Input channels number: 16
- Max sampling rate: 500M
- Measurement bandwidth: 80M
- Min pulse width can be captured: 6.25ns
- Hardware memory size: 512Mbits
- Hardware sampling depth: 32M/channel
- Max compressed depth: 5G/channel
- Input voltage range: -50V ~ +50V
- Input impedance: 220KΩ, 12pF
- Threshold voltage: low level < 1.0V, high level > 2.0V
- PWM channels number: 2
- PWM frequency range: 0.1 ~ 12.5MHz
- PWM frequency adjust step: 8ns
- PWM pulse width adjust step: 8ns
- PWM output voltage: +3.3V

- PWM output impedance: 50Ω
- Standby current: 300mA
- Max operating current: 550mA
- Dimensions: 117mm * 79mm * 24mm
- Support OS: Windows XP, Vista, Windows 7/8(32bit/64bit)
- Support standard protocols: UART(RS-232/485/422), I2C, SPI, CAN, DMX512, HDMI CEC, I2S/PCM, JTAG, LIN, Manchester, Modbus, 1-Wire, Simple Parallel, PS/2 Keyboard/Mouse, UNI/O, USB1.1

Software and user guide: **http://www.kingst.org/download?fl=JkiSuiteSetup.zip**

Custom protocols SDK: **http://www.kingst.org/download?fl=JkiAnalyzerSDK.zip**

For any technical support or suggestion, please kindly go to our **forum**.

Part List

LA5016 Logic Analyzer	1

Compliance & Logistics

HSCODE	9030899000

Resource Links

- **https://www.seeedstudio.com/LA5016-Logic-Analyzer-p-2219.html**

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