LA2016 is a high-performance logic analyzer with 16 channels and 200M 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.
LA2016 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
200M 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

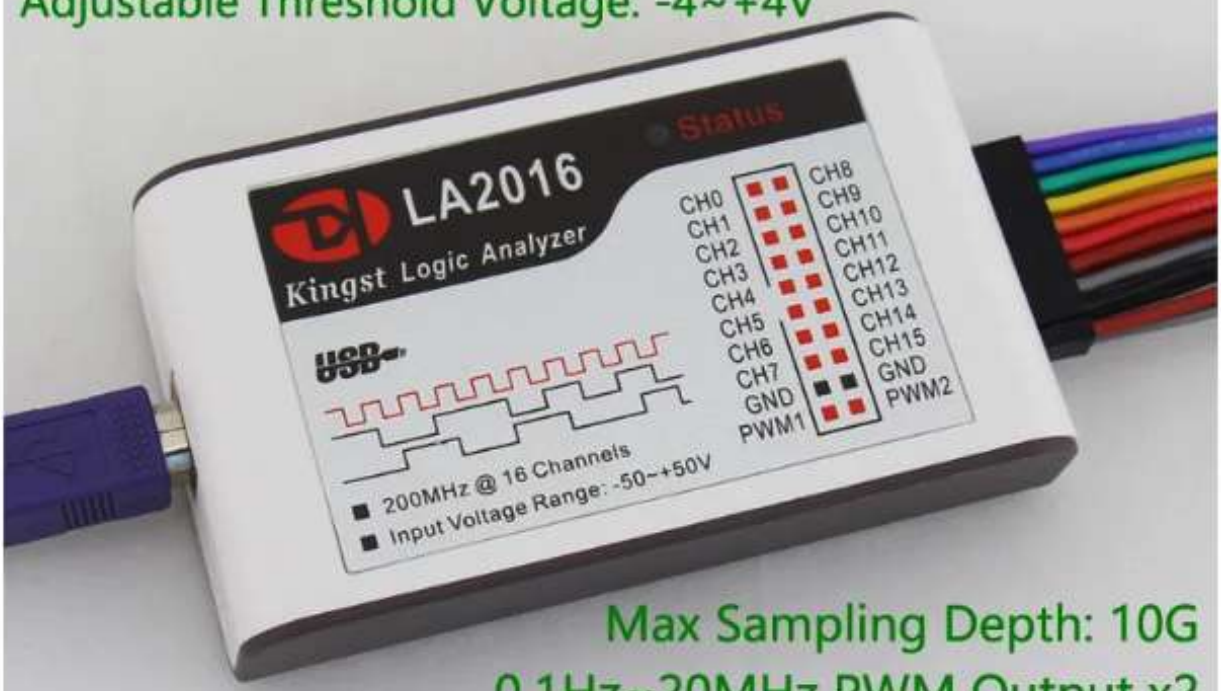
Specification:

Input channels number: 16
Max sampling rate: 200M
Measurement bandwidth: 40M
Min pulse width can be captured: 12.5ns
Hardware memory size: 1Gbits
Hardware sampling depth: 50M/channel
Max compressed depth: 10G/channel
Input voltage range: -50V ~ +50V
Input impedance: 220KΩ, 12pF
Adjustable threshold voltage: -4V ~ +4V, step: 0.01V
PWM channels number: 2
PWM frequency range: 0.1 ~ 20MHz
PWM frequency adjust step: 10ns
PWM pulse width adjust step: 5ns
PWM output voltage: +3.3V
PWM output impedance: 50Ω
Standby current: 150mA
Max operating current: 300mA
Dimensions: 95mm * 55mm * 23mm
Support OS: Windows XP, Vista, Windows 7/8/10(32bit/64bit)
Supported standard protocols: UART/RS-232/485, I2C, SPI, CAN, DMX512, HDMI CEC, I2S/PCM, JTAG, LIN, Manchester, Modbus, 1-Wire, UNI/O, SDIO, SMBus, USB1.1, PS/2, NEC InfraRed, Parallel, etc...

Solid and reliable hardware

Sampling Rate: 200M / 16Channels / Input Voltage: -50~+50V

Adjustable Threshold Voltage: -4~+4V



Max Sampling Depth: 10G

0.1Hz~20MHz PWM Output x2

Small Size(95x55x23mm), Exquisite workmanship

1. English Software,
   Support Windows XP/7/8/10 (32/64bits)、MAC OS 、Linux。
2. User friendly interface, Powerful analysis function
3. Supported decoder: UART/RS232/485, I2C, SPI, CAN, SDIO, DMX512, I2S/PCM, JTAG, LIN, Manchester, Modbus, 1-Wire, SMBus, UNI/O, USB1.1, NEC InfraRed, PS/2, Parallel, etc...
4. Data display format: Decimal/hex/bin/ASCII
5. Support data export, for save or other sofware
6. Free online automatic upgrade

csv format export example :

	A	B	C	D
1	Time [s]	Packet ID	MOSI	MISO
2	0.0001s	1	0x00	0x01
3	0.00018s	1	0x01	0x02
4	0.00026s	1	0x02	0x03
5	0.000516s	2	0x04	0x05
6	0.000596s	2	0x05	0x06
7	0.000676s	2	0x06	0x07

SPI protocol

	A	B	C	D
1	Time [s]	Value	Parity Error	Framing Error
2	0.0010416s	0x00	Error	
3	0.0031232s	0x01		
4	0.0052048s	0x02		
5	0.0072864s	0x03	Error	
6	0.009368s	0x04		
7	0.0114496s	0x05	Error	

UART protocol

	A	B	C	D	E	F
1	Time [s]	Packet ID	Address	Data	Read/Write	ACK/NAK
2	0.0000816s	0	0x41	0x00	Read	ACK
3	0.0001272s	0	0x41	0x00	Read	NAK
4	0.0002872s	2	0x41	0x01	Read	ACK
5	0.0003328s	2	0x41	0x01	Read	NAK
6	0.0004928s	4	0x41	0x02	Read	ACK
7	0.0005384s	4	0x41	0x02	Read	NAK

I2C protocol

Shipping list :

1. LA2016 Logic Analyzer x1
2. 9P Test Lead Set x2
3. 2P Test Lead Set x1
4. Test Hook Clip x20
5. USB2.0 Cable x1
6. CD-ROM x1