23th ZEROPLUS
Zero Loss • Make Plus

Logic Cube Pro

Acquire signal precisely
Analyze signal flexibly

Logic Analyzer	Protocol Analyzer	Pattern Generator
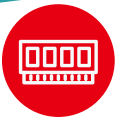
The deepest memory depth in the industry

The newly launched logic analyzer, Logic Cube Pro, has the deepest memory depth up to 256Mbits per channel. In the channel folding mode, the memory depth per channel can reach up to 1G and the total memory depth 8G at most.

The exclusive, self-defined bus in the industry

Targeting the undefined data, Logic Cube Pro can analyze the data easily and rapidly after defining the name. Moreover, it significantly saves product development time and fits for decoding, debugging with special SPEC in various scenarios.

Long-time recording without loss

Logic Cube Pro records and saves all signals directly into your PC for analysis and debugging in only one step.

Mixed Signal Oscilloscope (MSO) stacking

Logic Cube Pro possesses the measuring ability of digital/hybrid signals, and checks the data packet simultaneously with the compact and portable advantages of the PC-based LA.

2GHz
Ultra-high sampling frequency

The internal sampling rate (Timing, Asynchronous) can reach up to 2GHz, and the external sampling rate (State, Synchronous) 250MHz at most.

Protocol Analyzer (PA)

Logic Cube Pro chooses the target protocol, decodes the data instantly, and displays the data on a list. It features long-time recoding and sets the trigger condition to discover the target value accurately.

Pattern Generator (PG)

Logic Cube Pro timely supports mainstream buses, including I2C, SPI, UART, CAN to generate various patterns. It can trigger the object to be measured and verify the response message from the object.

Customized BUS software

With customized BUS software, Logic Cube Pro provides the decoding service to rapidly analyze the pain points of various industry signals.

ZEROPLUS

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USB 2.0 Capture Board

▶ Match with all ZEROPLUS 32 series models perfectly: Use serial / parallel to easily acquire the USB 2.0 high speed signal.
▶ Support various data formats: The user can output and display the data according to preference.
   ▶ Optimize the packet function: Accelerate signal analysis, support data integration and filter the packet format.
   ▶ 3 types of USB decoding modules: USB 2.0（HIGH）& USB 1.1（FULL）& USB 1.0（LOW）.

LAP-C Pro High Speed Adapter Kit

▶ 16 + 2 channel shielded logic probe for high frequency measurement.
▶ Acquire the bandwidth up to 250 MHz.
▶ Every signal cable set (multicolor) is equipped with a GND wire (black).
▶ Reduce noise interference to clarify the signal measurement.

Specifications / Models	16064M	32064M	32128M	32256M
Channels	16	32		
Memory Depth per Channel	8ch/128Mb 16ch/64Mb	8ch/256Mb 16ch/128Mb 32ch/64Mb	8ch/512Mb 16ch/256Mb 32ch/128Mb	8ch/1Gb 16ch/512Mb 32ch/256Mb
Total Memory	1Gb	2Gb	4Gb	8Gb
Maximum Sampling Rate Internal (Timing) (Asynchronous)	8ch/1GHz 16ch/500MHz	8ch/2GHz 16ch/1GHz 32ch/500MHz		
Maximum Sampling Rate External (State) (Synchronous)	250MHz (Must be with High Speed Adapter Kit)			
Range of the Trigger Voltage	-6V ~ +6V			
Resolution of the Trigger Voltage	10mV/step			
Pattern Generator	Option	○		
Operating System	Windows 10 / 8.1 / 7 (32 or 64 bit)			
Interface / Power Supply	USB3.0 / DC5V (Max. 3W)			
Dimensions / Weight	126 x 95 x 25 mm / 160g			

Support multiple BUS decoding

Free built in service | No additional download

Automotive			
PC System			
Memory			
Digital Audio			
IC Interface			
Basic Logic Application			
Optoelectronics			
Infrared Rays			
Power			
Wireless			
Others			

- AC97
- AES_EBU
- AMD_SVI2
- ARITHMETICAL LOGIC
- BDM
- BMS
- CAN 2.0B
- CAN FD
- CCIR601
- CCIR656
- CMOS IMAGE
- Compact Flash 4.1
- DSI Bus
- DDC EDID
- DSA Interface
- DP AUX Channel 1.2a
- DIGITAL LOGIC
- DALI Interface
- DM114/DM115
- DMX512
- Differential Manchester
- DigRF
- DS1302
- DS18B20
- eSPI
- eMMC
- FlexRay 2.1A
- FWH
- GPIB
- HID Over I2C
- HPI
- HD Audio
- HDMI CEC

- HDQ
- HART
- HDLC
- I2C
- I2C(EEPROM 24L)
- I2C(EEPROM 24LCS61/24LCS62)
- I3C
- I2S
- IDE
- IRDA
- ISO7816 UART
- IO-Link
- JTAG 2.0
- JK FLIP-FLOP
- KEELOQ Code Hopping
- KNX
- LIN 2.1
- Low Pin Count
- LPC-SERIRQ
- LPT
- LCD12864
- LCD1602
- LG4572
- LED Pitch Array
- Line Code
- MVB
- MCU-51 DECODE
- MDDI
- MICROWIRE
- MIPI DSI
- MHL-CBUS
- MIDI
- MIPI_CSI-2

- MICROWIRE(EEPROM 93C)
- MIPI RFFE
- MANCHESTER
- MII
- MILLER
- MIL-STD-1553
- MODIFIED MILLER
- ModBus
- MODIFIED SPI
- NEC PD6122
- OPENTHERM 2.2
- PCI
- PECI
- PS/2
- PCM
- PSB Interface
- Philips RC-5
- Philips RC-6
- PT2262/PT2272
- PMBus 1.1
- PROFIBUS
- Quad SPI
- QI
- RGB Interface
- Serial GPIO IBPI
- SVID
- SLE4442
- SSI Interface
- ST7669
- SPI
- SPI PLUS
- Serial Wire Debug(SWD)
- S/PDIF

- STBus
- SPI Compatible(Atmel Memory)
- SAMSUNG K9(NAND Flash)
- SD2.0/SDIO
- SD3.0
- S2Cwire/AS2Cwire
- SCCB
- SDQ
- SMBus 2.0
- SIGNIA 6210
- SWP
- SHT11
- 7-SEGMENT LED
- SoundWire
- USB 1.1
- USB 2.0
- USB PD3.0
- UART(RS-232C/422/485)
- UP DOWN COUNTER
- UNI/O
- WTB
- 1-WIRE
- 1-Wire(Advanced)
- 3-WIRE
- WIEGAND
- WWV/WWVH/WWVB
- YK-5
- Biss C

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