ZEROPLUS

High Quality Professional Instruments



LOGIC & PROTOCOL ANALYZER

BUS EXPERT II

The eMMC5.1 & SD3.0 measurement & debugging expert.

They say that you can't improve on perfection, but with Zeroplus Bus Expert II we've proved them wrong by taking the amazing Bus Expert and making it even better. Zeroplus Bus Expert II is a powerful tool for measuring and debugging eMMC5.1 and/or SD3.0. To make sure your measuring and debugging is as fast, accurate and precise as possible, we've equipped this 32 channels instrument with 2G memory depth in each channel, and the all-new-designed Active Probe makes this even better by significantly reducing the signal distortion from DUT. To make sure you are not missing any bit of important signals, the Lossless Long Time Record in Protocol Analyzer mode feature will document everything, uninterruptedly, for as long as your local storage allows. The 2-in-1 Protocol Analyzer (PA) mode and Logic Analyzer (LA) mode make analyzing the recorded signals easy. PA mode allows you to view, search and analyze the signals in categorized packets while LA mode verifies the condition and checks the timing for DUT. Last but not least, the powerful software allows user to search, statistic and analyze the signals easily and instantly. Zeroplus Bus Expert II is the ultimate choice for eMMC 5.1 and SD 3.0 measuring and debugging.

LA+PA Mode

Verify the DUT condition and check timing in Logic Analyzer mode and packet categorize, search and analyze in Protocol Analyzer mode

Amazingly Accurate and Precise

The next-generation Active Probe with ultra high speed core design significantly reduce the DUT signal distortion, providing incomparable accurate and precise measurements.

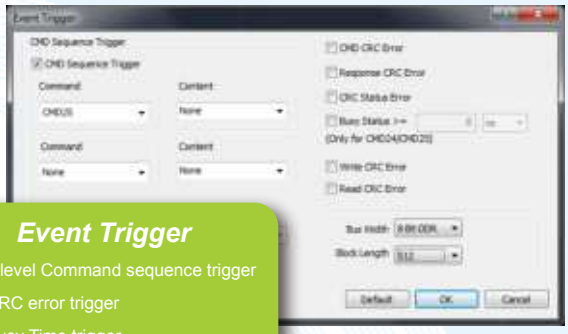
Lossless Long Time Record

Unlike the conventional signal recording features. Bus Expert II' s Long Time Record in Protocol Analyzer mode features 100% signal capturing for as long as your local storage allows.

Search, Statistic and Analyze

The powerful Bus Expert software features search, statistic and analyze features for the signals you' ve recorded. Allowing users to observe and debug millions of data instantly.





Event Trigger

- 3 level Command sequence trigger
- CRC error trigger
- Busy Time trigger

Protocol Decoder

- Support up-to-date"HS400"mode
- 1,4,8 bit data format

Logic Analyzer



Protocol Analyzer

CMD Sort / List

- Instant packets categorization
- Custom Packet filtering
- Instant specific packet look-up

Next Generation Active Probe *P300ST*

- Good impedance matching, reduced crosstalk, noise, and reinforced ground
- Enhance the measurement quality, accuracy, and stability of high-speed signals
- Support DUT bandwidth of 200 MHz





Product Specifications

		Bus Expert II (eMMC 4.5/5.0/5.1)
Operation System		Windows 8.1 / Windows 10
Interface		USB 3.0
Channels		32
Sample Rate	Internal (Timing) - Max.	5 to 2,000 MHz
Memory	Total Memory	64 Gbits
	Memory Depth per Channel	2Gb
Trigger	Trigger Events	Pattern / Edge
	Trigger Sequence Levels	48
	eMMC Event Trigger	YES
Record	Normal Recording	YES
	Lossless Long Time Record	YES
Probe	Offset Control	P300ST with Auto-Calibration
	Voltage of DUT	1.2V / 1.8V / 3.3V
Features		LA / PA / PA with Long Time Record
Other		SD 3.0 Support



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