

Supported Device Under Test (DUT)

**eMMC4.51/5.0/5.1**

1/4/8 bit

HS/HS200/HS400

**SD3.0**

1/4 bit

UHS-I

(up to 208MHz)



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.



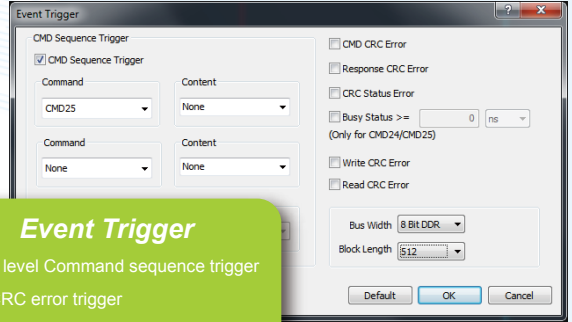
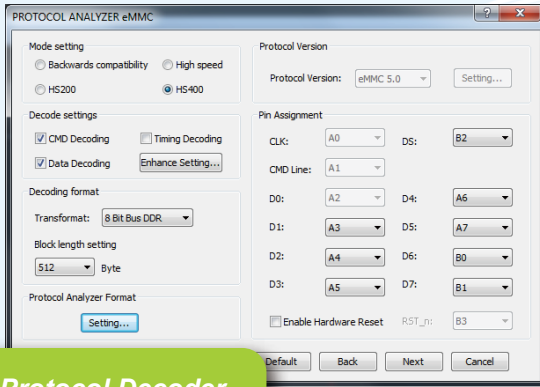
Lossless Long Time Record

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

CMD Sort / List

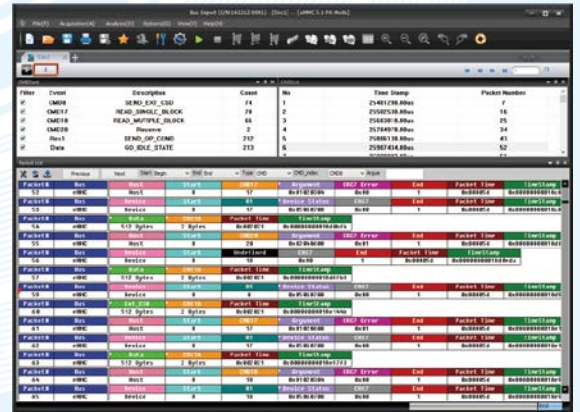
- Instant packets categorization
- Custom Packet filtering
- Instant specific packet look-up

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



Protocol Analyzer



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

