

Acute

LA3000E/B series logic analyzer

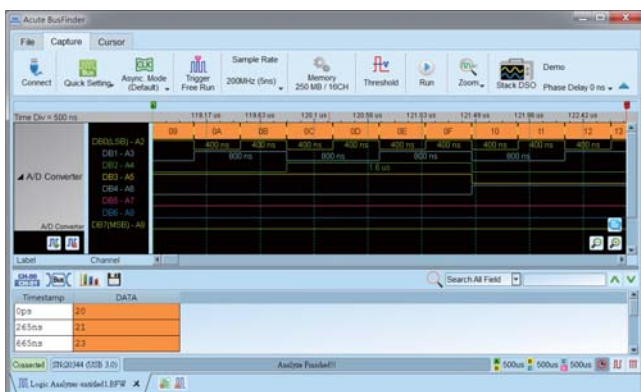
- PC-based
- 68 / 136 channels
- USB 3.0 interface, 12V power adaptor
- 4GHz Timing Analysis / 250MHz State Analysis
- 32Gb RAM
- Active Probe
- Logic, State, Protocol triggers
- Stackable with a DSO to form an MSO
- Bus Triggers I : BiSS-C, CAN2.0, DALI, I²C, I²S, LIN2.2, PWM, SPI, UART, USB PD3.0, ...
- Bus Triggers II : eMMC5.1, eSPI, MIPI SPMI 2.0, NAND Flash, SD3.0, Serial Flash, SVID
- Protocol Analysis I : I²C, SPI, UART, USB PD3.0
- Protocol Analysis II : CAN2.0, BiSS-C, DALI, eSPI, I²S, LIN2.2, MDIO, PMBus, PWM, SD3.0, SVID, ...
- Bus Decode : CAN2.0, eMMC5.1, I²C, Profibus, SD3.0, SPI, SVID, UART, ...(80+ decodes)



270 x 175 x 55 (mm³)

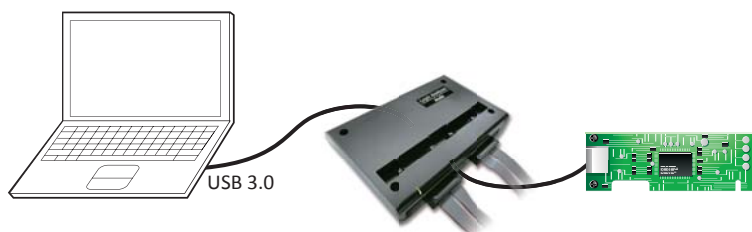
Model	Channel	Bus Triggers	Protocol Analysis	Cascade for more channels
LA3068E	68	I	I	-
LA3136E	136	I	I	YES
LA3068B	68	I, II	I, II	-
LA3136B	136	I, II	I, II	YES

Software Window



System Requirements

- USB 3.0 port
- Win 7, Win 8, Win 10 (64 bit)
- PC RAM 16GB (recommended) or 8GB at least



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PC-based T&M Instruments

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LA3000E/B series

Model		LA3068E	LA3136E	LA3068B	LA3136B	
Power	Power Source	12V Power adapter				
	Static Power Consumption	18W	30W	18W	30W	
	Max Power Consumption	45W	75W	45W	75W	
Hardware Interface		USB 3.0				
Timing Analysis (Asynchronous, Max. Sample Rate)		4GHz				
State Clock Rate (Synchronous, External Clock)		250MHz				
Storage		Conventional Timing, Transitional Timing				
Channels (Data / Clock)		64 / 4	128 / 8	64/4	128/8	
Total Sample Memory		32Gb				
Available channels vs. Memory per channel	Timing Analysis	Available channels / Memory per channel				
	4GHz	16 / 2Gb				
	2.4 / 2GHz	32 / 1Gb				
	1GHz	64 / 500Mb				
	500 / 250 / 200MHz	64 / 500Mb	128 / 250Mb	64 / 500Mb	128 / 250Mb	
Trigger	Resolution	250 ps				
	Channels	64	128	64	128	
	Pre / Post Trigger	Yes				
	Pass Count	Yes (1 ~ 1000000 times)				
	Event Types	Word, Channel, Transition, Glitch, Width, Timeout				
	Bus Triggers I	BiSS-C, CAN2.0, DALI, HID over I²C, I²C, I²S, LIN2.2, MDIO, Modbus, SMBus, SPI, PMBus, Profibus, PWM, UART, USB1.1, USB PD3.0, RS232				
	Bus Triggers II	---		eMMC5.1, eSPI, MIPI SPMI 2.0, NAND Flash, SD3.0, Serial Flash, SVID		
	Input (for Stack)	TTL 3.3V				
	Output Port (for Stack)	TTL 3.3V				
	Ref. Clock Input	10MHz, Vpp=3.3 to 5V				
Threshold	Range	-0.5V~4.5V				
	Resolution	0.1V				
	Accuracy	+/- 20mV				
Input Voltage	Maximum	+/- 15V				
	Sensitivity	~300mV				
Impedance		1M 5pF				
Temperature	Operating / Storage	5°C~45°C (41°F~113°F)/-10°C~65°C (14°F~149°F)				
Channel to channel skew		< 500 ps				
Protocol Analysis	I			I²C, SPI, UART, USB PD3.0		
	II	---		BiSS-C, CAN2.0, DALI, eSPI, HID over I²C, I²S, LIN2.2, MIPI SPMI 2.0, MDIO, Modbus, PMBus, Profibus, PWM, RS232, SD3.0, SMBus, SVID, USB1.1		
Software Features	Zoom In / Out	Yes				
	Languages	English / Traditional Chinese / Simplified Chinese				
	Waveform Height	Adjustable				
	Zoom / Report Window	Yes				
	Quick Cursor-positioning	Yes				
	Import Label(s)	Yes				
	Quick Bus Decode Setup	Yes				
	Trigger / Auxiliary cursors	1/25				
	Bus Decode	1-Wire, 3-Wire, 7-Segment, A/D Mux Flash, AccMeter, ADC, APML, BiSS-C, BSD, CAN 2.0B, Close Caption, DALI, DMX512, DP Aux, EDID, eMMC 5.1/MMC, eSPI, FlexRay, HDMI CEC, HD Audio, HDLC, HDQ, HID over I²C, I²C, I²C EEPROM, I²S, I80, IDE, ITU656, IrDA, JTAG, LCD1602, LIN2.2, Line Encoding, Line Decoding,Lissajous, LPC, LPT, M-Bus, Math, MDIO, MHL CBUS, Microwire, MII, MIPI DSI, MIPI RFFE, MIPI SPMI 2.0, Modbus, NAND Flash, NEC IR, PECL, PMBus, Profibus, PS/2, PWM, QI, RGB Interface, RC-5, RC-6, SD3.0 (SDIO), Serial Flash, Serial IRQ, SGPIO, Smart Card, SMBus, SMI, S/PDIF, SPI, SPI-NAND, SSI, ST7669, SWD, SWP, SVI2, SVID, UART, UNI/O, USB 1.1, USB PD 2.0, Wiegand, ...				
		Line Decoding	Biphase Mark, Differential-Manchester, Manchester (Thomas, IEEE802.3), Miller, Modified Miller, NRZI, ...			
		Line Encoding	AMI (Standard, B8ZS, HDB3), Biphase Mark, CMI, Differential-Manchester, Manchester (Thomas, IEEE802.4), MLT-3, Miller, Modified Miller, NRZI, Pseudoternary, ...			
	Dimension	L x W x H (mm³)	270 x 175 x 55 (mm³)			
	Weight	Device / Accessories	800g / 1500g			
Lead Cable (LA-Pod / Flying lead cable)		2 / 8	4 / 16	2 / 8	4 / 16	
Grippers		80	160	80	160	

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