BusFinder

Model		BF7264B
Power	Power Source	12V Power adapter
	Static Power Consumption	18W
	Max Power Consumption	45W
Hardware Interface		USB 3.0
Timing Analysis (Asynchronous, Max. Sample Rate)		2.4GHz
State Clock Rate (Synchronous, External Clock)		250MHz
Storage		Conventional Timing, Transitional Timing
Channels (Data / Clock)		64/4
Total Sample Memory		32 Gb
Timing vs. Channels vs. Memory	Timing Analysis	Available channels / Memory per channel
	2.4 / 2GHz	32/28 - 1Gb
	1GHz	64/56 - 500Mb
	500 / 250 / 200MHz	64/64 - 500Mb
Trigger	Resolution	416 ps
	Channels	64
	States	8
	Events	8
	Pre / Post / Delay	Yes
	Pass Counter	Yes (1 ~ 1000000 times)
	Types	Channel, Pattern, Single / Multi Level, Width, Time-out, External
	Bus (by option)	eMMC 5.1, NAND Flash, SD 3.0, Serial Flash (SPI NAND), SPI
Input Voltage	Maximum	See Protocol Option
	Sensitivity	See Protocol Option
Impedance		See Protocol Option
Temperature	Operating / Storage	5℃~45℃ (41℉~113℉)/-10℃~65℃ (14℉~149℉)
Channel to channel skew		< 500 ps
I/O port	Trig-In	TTL 3.3V level (Rising / Falling)
	Trigger pulse approval	> 8ns
	Trig-Out	TTL 3.3V
	Ref. Clock Input	10MHz, Vpp=3.3 to 5V
	Ref. Clock Output	10MHz, TTL3.3V
	Connector type	MCX jack/female
Option	eMMC 5.1	Flying lead cable / Gripper
	MIPI D-PHY 1.2	SMPM Cable / End-tip
	NAND Flash	Flying lead cable / Gripper
	SD 3.0	SD 3.0 extender card
	SD 4.1	SD 4.0 extender card (covers SD 3.0)
	Logic Analyzer	Flying lead cable / Gripper
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	eMMC 5.1, NAND Flash, SD 3.0, Serial Flash (SPI NAND), SPI
Dimension	L x W x H	270 x 175 x 55 (mm³)
Weight		See Protocol Option

※ For BF7264B, the maximum delivery Gripper number is 80 Grippers per mainframe unit.

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Acute BusFinder

Protocol Analyzer & Logic Analyzer

270 x 175 x 55 (mm³)

- PC-based, 64 channels
- USB 3.0 interface, 12V power adaptor
- 32Gb total memory

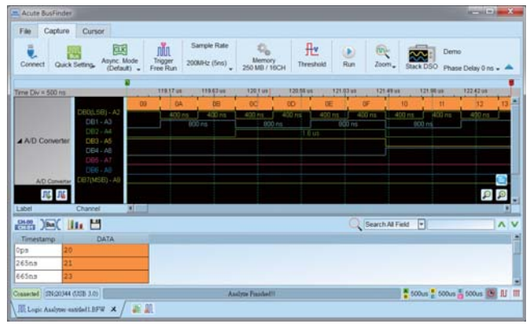
Protocol Analyzer: eMMC 5.1, MIPI D-PHY 1.2, NAND Flash, SD 3.0, SD 4.1 (UHS-II)

- Real-time data display, post-capture waveforms
- Trigger for commands or data
- Different active probes for different protocols for easier connections
- Filter data to save more commands
- Hide data for easy reading
- Search data for quick finding
- Statistics for commands and data
- Two voltage detects to find design bugs from voltage drop
- Use PC hard disk (SSD) to log long time data
- Protocol monitor like dash camera for long time surveillance (months)

Logic Analyzer: eMMC 5.1, NAND Flash, SD 3.0, Serial Flash (SPI NAND), SPI

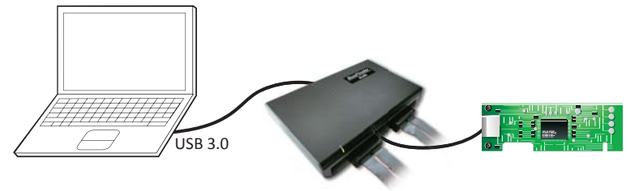
- 2.4GHz timing analysis
- 8-state flow chart bus triggers
- Bus decodes with waveforms
- Stacks with a DSO to form as an MSO

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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BusFinder

Device weight : 800g, Accessories weight : 1216g

Device *1

Software USB Drive *1

USB3.0 (1.8M) *1

BNC to MCX *1

Instrument handbag *1

Adapter/Power cord *1

LA Option

weight : 410g

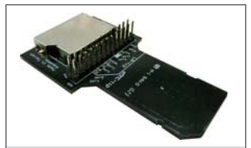
LA08-tip*2 / LA09-tip*2

Flying lead cable (LA) *4

Gripper *40

SD 3.0 Option

weight : 135g



SD 3.0 tip*1

LA04 (B)-tip*1

eMMC-tip*1

MIPI D-PHY Option

weight : 410g

SMPM Cable (25cm)*12

Ground line (30cm)*2

SMPM Extraction Tool*1

MIPI D-PHY Way Station*2

Micro USB 3.0 *2

End-tip*10

NAND Flash Option

weight : 226g

Flying lead cable (NF)*4

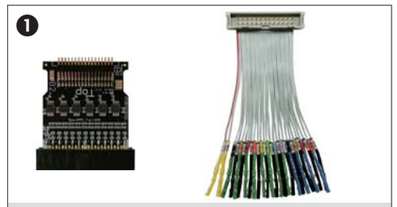
LA08-tip*1, LA09-tip*2

NAND-tip*1

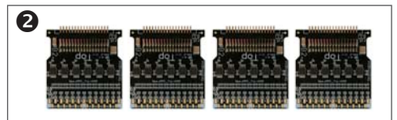
eMMC 5.1 Option

weight : 230g

LA04 (B)-tip*1



eMMC socket tip*1+ Flying lead cable*4



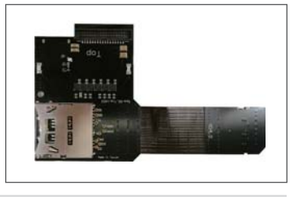
eMMC welding tip *4

SD 4.1 Option

weight : 420g

SD 4.1 Probe

Micro USB 3.0 *1

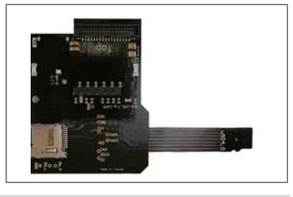


LA04 (B)-tip*1

SD4.1-tip*1

uSD 4.1 Probe

Micro USB 3.0 *1



LA04 (B)-tip*1

uSD4.1-tip*1

Tip specification

*SE: Single Ended, Diff.: Differential Pair

Model		LA08/09	LA04 (B)	NAND / UFS	eMMC, SD 3.0	SD 4.1, uSD 4.1	End tip
Number of Channels		8 / 8+1 (Data+CLK)	4 (Data)	4+2 (Data+Analog)	12+2 (Data+Analog)	6-SE / 3-Diff. / 2 (SD3.0 / SD4.1 / Analog)	1-Diff.
Threshold of Data	Range	-0.5V ~ +4.8V			0V ~ +3.3V		---
	Resolution	21mV					---
	Accuracy	±100mV + 5%*Vth					---
Input Voltage of Data	Maximum (Non-destructive)	±15V DC+AC peak			-0.5V ~ +5V DC+AC peak		±10V
	Operation	-1V ~ 8V			0V ~ 3.3V		0 ~ 5V
	Sensitivity	~300mV			~150mV		~200mVpp.
Impedance of Data		1MΩ || 5pF			500kΩ || 2pF		1kΩ
Input Voltage of Analog	Maximum (Non-destructive)	---		-0.5V ~ +8V DC+AC peak			---
	Operation	---		0V ~ 4V			---
	Resolution	---		~1mV			---
	Sampling Rate	---		1M			---
Impedance of analog		---		1MΩ || 100pF			---