

TB2016B

TravelBus TB2016Bは、CAN-FD,RS-422/485をサポートするプロトコルアナライザと紹介するのがわかりやすいが、実はUSB3.0接続で利用するロジックアナライザとプロトコルアナライザの両方の機能を備えた高性能ツール。CAN-FD,RS422/485をサポートする専用ポートを備えているのが特徴。ハードウェアデコードで20種類以上のバスプロトコルをサポートするプロアナモードと70種類のプロトコルデコードができるロジアナモードで利用できる。

Acute TravelBus 2 in 1 Analyzer (Protocol & Logic)

低電圧バス（例えば0.9V I2C, 1.2V MDIO, 1.8V SPIなど）対応アナライザ

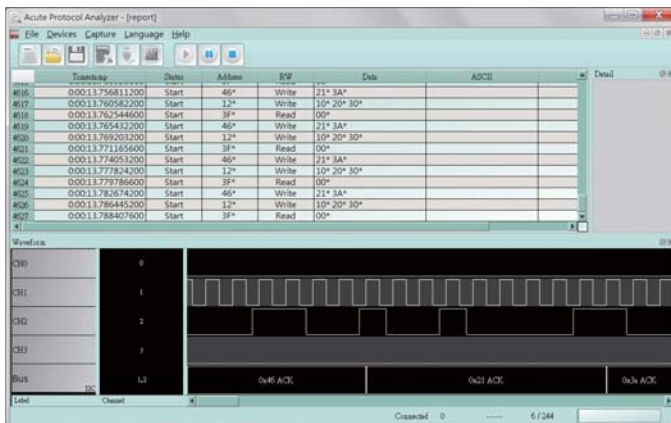
- Model : TB2016B
- PC-based, USB 3.0 interface/powered
- 25 Channels
 - Digital : 16 (Data(低電圧バス対応)), 1 (Clock)
 - Aux. : 2 (I²C/DP_Aux)
 - Differential : 2 (CAN2.0/CAN-FD), 4 (RS422/485)
Isolated (>1000Vrms)
- 200 MHz* timing/state analysis
- Memory : PC RAM
- Real time data display and post-capture waveform display
- Protocol Analyzer : Biss-C, CAN2.0B, CAN-FD, DALI, DP_Aux, HID over I²C, I²C, I²S, LIN2.2, MDIO, Modbus, PMbus, Profibus, PWM, RS232, RS422, RS485, SMBus, SPI, USB1.1, USB PD 3
- Stackable with Acute TravelScope DSO to form an MSO
- Bus Decode : I²C, I²S, LIN2.2, SMBus, PWM, SMBus, SPI, UART, USB PD 3.0, ... (70+ decodes)



96 x 74 x 24 mm

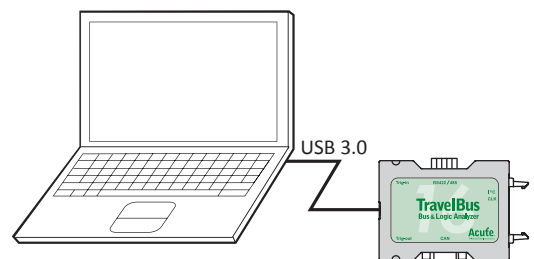
TB2016Bに一つのバスをキャプチャしながら順次プロトコルをデコードして表示していくプロアナモードと、トリガを設定してキャプチャし、キャプチャ停止後波形とプロトコルデコード結果を表示するロジアナモードの2動作モードがある。

Software Window



System Requirements

- USB 3.0 port
- Windows 7/10/11 32/64bit



立野電脳(株)はAcute Technologyの国内正規代理店です。
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TravelBus series

Model	TB2016B	
Power	Power Source	USB bus-power (+5V)
	Static Power Dissipation	0.75W
	Max Power Dissipation	< 2.5W
Hardware Interface	USB 3.0	
Timing Analysis (Asynchronous, Max. Sample Rate)	200 MHz*	
State Clock Rate (Synchronous, External Clock)	200 MHz*	
Channels (Data, CLK, I ² C / DP AUX, CAN-FD, RS485)	16 / 1 / 2 / 2 / 4	
Trigger	Resolution	5 ns
	Channels	16 (Max.)
	Conditions	Yes (4)
	Pre/Post Trigger Setting	Yes
	Pass Counter	Yes (0 ~ 65536 times)
	Event Types	Channel, Pattern, Single, Width, Time-out, External
	Bus	Biss-C, CAN2.0, CAN-FD, DALI2.0, DP_Aux, HID over I ² C, I ² C, I ² S, LIN2.2, MDIO, Modbus, PMbus, Profibus, SENT, RS232, RS422, RS485, SMBus, SPI, USB1.1, USB PD 3
	Input port (for Stack)	TTL 3.3V
	Output port (for Stack)	TTL 3.3V
	Range	-6V ~ +6V
Threshold	Resolution	50mV
	Accuracy	±100mV + 5%*Vth
	Maximum	±40V DC, 15Vpp AC
Input Voltage	Sensitivity	0.5Vpp @150MHz
	Impedance	200KΩ // <5pF
Maximum input signal speed	Data Port: 14MHz, CAN Port: 5Mbps, I ² C Port: 400KHz, RS485 Port: Baud rate 20Mbps	
Temperature	Operating Temperature	5° C ~ 45° C (41° F ~ 113° F)
	Storage Temperature	-10° C ~ 65° C (-14° F ~ 149° F)
Protocol Analyzer	Biss-C, CAN2.0, CAN-FD, DALI2.0, DP Aux, HID over I ² C, I ² C, I ² S, LIN2.2, MDIO, Modbus, PMbus, Profibus, PWM, RS232, RS422, RS485, SMBus, SPI, USB1.1, USB PD 3	
Software features	Bus decode	1-Wire, 3-Wire, 7-Segment, A/D Mux Flash, AccMeter, ADC, APML, BiSS-C, BSD, CAN 2.0, CAN FD, Close Caption, CODEC_SSI, DALI 2.0, Digital LED, DMX512, DP Aux, EDID, FlexRay, HDLC, HDQ, HID over I ² C, I ² C, I ² C EEPROM, I ² S, ITU656, IrDA, JTAG, JVC IR, LCD1602, LIN2.2, Line Decoding, Line Encoding, LPT, M-Bus, Math, MDIO, MHL Cbus, Microwire, Mini/micro LED, MIPI CSI LP, MIPI DSI LP, MIPI I3C 1.1, MIPI SoundWire, Modbus, NEC IR, PECL, PMBus, Profibus, PS/2, PWM, QEI, QI, RC-5, RC-6, RT_SWI, SDQ, SENT, SGPIO, Smart Card(ISO7816), SMBus, SMI, SPI, SSI, ST7669, SWD, SWIM, SWP, UART, UNI/O, USB 1.1, USB PD 3, Wiegand
Dimension	L x W x H (mm ³)	96x74x24
Lead Cable		24-pin
Grippers		20


* Measure signal under 14 MHz ONLY due to data transmission limitation.

Packing list


Item	Quantity	
1. TB2016B device	1	
2. Terminal Block	1	
3. D-Sub Connector	1	
4. Lead Cable (24-pin)	1	
5. USB 3.0 Cable	1	
6. Grippers	20	




Terminal Block




D-Sub Connector



Lead Cable



USB 3.0 Cable



Grippers

Software download :
<https://www.acute.com.tw>

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