Total Phase Efficient I2C Debugging Tools

 **Aardvark I2C/SPI Host Adapter** TP240141	 **Beagle I2C/SPI Protocol Analyzer** TP320121
✓ Interface a PC via USB to a downstream I2C or SPI embedded system environment ✓ Small and portable for use in the lab or in the field ✓ Program EEPROMs, read/write registers, simulate microcontrollers, and much more	✓ Real-time data capture, display, and filtering - see packet data instantaneously ✓ Provides enhanced visibility into the I2C and SPI bus ✓ Nearly limitless capture with direct streaming to the PC running capture software

Features and Benefits

Interactive Debugging	Ease of Use	Pocket-Sized Power
✓ Instant feedback from devices under test ✓ View data or inject messages on the bus instantly ✓ Easy-to-use GUI software	✓ Begin debugging in 3 easy steps ✓ Physically connect hardware to USB port of PC ✓ Start software application ✓ Connect devices to software	✓ Small and portable (about the size of a cell phone) ✓ USB bus-powered ✓ No AC adapter or batteries required

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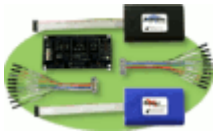
No Hidden Costs	Get It Tomorrow	Cross-Platform Support
✓ No extra add-ons ✓ Free email and phone support ✓ Free software and updates ✓ Free royalty-free API and example code	✓ In stock today ✓ Orders placed online before 2PM PST usually ship the same day	✓ Windows XP, Vista 32/64, Windows 7 32/64 ✓ Linux (kernel 2.6 and greater) ✓ Mac OS X (10.4 and greater)

Related Products

Product	Name	Part Number	Summary
	I2C Development Kit	TP120112	A comprehensive kit that bundles a set of Total Phase's industry-leading I2C tools and accessories.
	Aardvark I2C/SPI Host Adapter	TP240141	USB interface to I2C and SPI for your Windows, Linux, or Mac OS X computer.
	Beagle I2C/SPI Protocol Analyzer	TP320121	Non-intrusive bus monitor for embedded engineers working on I2C- or SPI-based products.

Product Selector Guide

Not sure which tool is right for you? The following table breaks down the key features of the entire suite of Total Phase products. Detailed technical information for all these devices can be found in their respective datasheets.

	AARDVARK I²C/SPI EMBEDDED SYSTEMS INTERF	BEAGLE I²C/SPI/MD PROTOCOL ANALYZER	BEAGLE USB 12 PROTOCOL ANALYZER	BEAGLE USB 48 PROTOCOL ANALYZER	CHEETAH SPI EMBEDDED SYSTEMS INTERF
Part	TP240141	TP320121	TP320221	TP320510	TP280121

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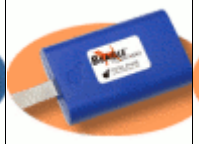
Number					
Product Photo					
RoHS Compliant	RoHS	RoHS	RoHS	RoHS	RoHS
I2C Master	✔ 1-800 kHz				
I2C Slave	✔ up to 400 kHz				
SPI Master	✔ up to 8 MHz †				✔ up to 40 MHz+ ‡
SPI Slave	✔ up to 4 MHz †				
GPIO	✔				
I2C Monitor		✔ up to 4 MHz			
SPI Monitor		✔ up to 24 MHz			
MDIO Monitor		✔ up to 2.5 MHz			
USB Monitor			✔ up to 12 Mbps	✔ up to 480 Mbps	

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Windows, Linux & Mac OS X	✔	✔	✔	✔	✔
USB Bus Powered Device	✔ Full-Speed	✔ High-Speed	✔ High-Speed	✔ High-Speed	✔ High-Speed
Software GUI	✔	✔	✔	✔	✔
Development API / DLL	✔	✔	✔	✔	✔
LabVIEW Driver	✔	✔	✔		✔
Dimensions	L: 3.5" (8.9 cm) W: 1.6" (4.1 cm) D: 0.9" (2.2 cm)	L: 3.5" (8.9 cm) W: 1.6" (4.1 cm) D: 0.9" (2.2 cm)	L: 3.5" (8.9 cm) W: 1.6" (4.1 cm) D: 0.9" (2.2 cm)	L: 4.6" (11.7 cm) W: 2.75" (7.0 cm) D: 1.1" (2.8 cm)	L: 3.5" (8.9 cm) W: 1.6" (4.1 cm) D: 0.9" (2.2 cm)

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