Product Matrix

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 Interface	Beagle I²C/SPI/MDIO Protocol Analyzer	Beagle USB 12 Protocol Analyzer	Beagle USB 480 Protocol Analyzer	Cheetah SPI Embedded Systems Interface
Part Number	TP240141	TP320121	TP320221	TP320510	TP280121
Photo					
RoHS Compliant	RoHS	RoHS	RoHS	RoHS	RoHS
I2C Master	✔ 1 - 800 kHz 1				
I2C Slave	✔ up to 800 kHz 1				
SPI Master	✔ up to 8 MHz 2				✔ up to 40 MHz+ 3
SPI Slave	✔ up to 4 MHz 2				
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	
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)

1 Actual system bus speed may vary as a function of capacitance.

2 The quoted values are intra-byte speeds. Please refer to the datasheet for timing restrictions.

3 Customers have successfully over-clocked the Cheetah SPI adapter to 50MHz.