

Cheetah SPI Host Adapter Part Number: TP280121



The Cheetah™ SPI Host Adapter is a high-speed SPI adapter that is capable of communicating over SPI at up to 40+ MHz. The Cheetah adapter is specifically designed to communicate with high-speed, SPI-based flash memory. It is an ideal tool to develop, debug, and program SPI-based systems

Key Features

Overview

- High-Speed SPI Master signaling at up to 40+ MHz.
- Transaction Queuing for Maximum Throughput
- Fully Linux and Windows Compatible
- Royalty-Free API
- Low Cost

What is Included

Every unit comes complete with the following items:

- Cheetah SPI Host Adapter unit
- (1) 6 foot USB A->B cable
- Software CD
 - Windows USB Drivers
 - Linux USB Hot Plug Configuration files
 - Royalty-Free API
 - Datasheets
 - Documentation

Specifications

High-Speed USB 2.0



The Cheetah adapter is a bus-powered, High-Speed USB 2.0 device. This provides two major benefits. As a high speed device, all the data captured by the Cheetah adapter are transferred to the test computer at 480 Mbps. As a bus-powered device, the Cheetah adapter does not require a power adapter. This makes the Cheetah adapter the ideal tool for engineers in the field. Just plug it into a High-Speed USB 2.0 port on your laptop and you are ready to go

Low Cost

No **Hidden** Fees

The Cheetah SPI Host Adapter comes complete with software for only \$350 in single unit quantities. Additional discounts are available for larger volumes. There are no additional yearly support contracts and no fees for software updates.

Future-Proof

The Cheetah adapter is completely field-upgradable via USB. Total Phase is committed to improving the Cheetah adapter and making these improvements available to our customers free of charge. There are no yearly support contracts and no software update fees.

Updates will be available for download from our website's Downloads section.

Software

Cheetah GUI Software



The Cheetah GUI Software is a graphical application that provides an easy way to get developers up and running quickly. The Cheetah GUI software eliminates the need to write custom software to control your Cheetah adapter and is **FREE!**

Some features include:

- Full access to all Cheetah /SPI Host Adapter functionality.
- Logging of all transactions in and out of the adapter.

Windows and Linux compatible

Rosetta Language Bindings - Development API

- Develop custom solutions in C/C++, C#, VB, .NET, Python
- Clean API is well-documented and easy to integrate
- Fully Windows, Linux, and Mac OS X compatible
- Separate 32-bit and 64-bit versions are available for all three platforms
- Royalty-free API can be used without licensing fees

Compatibility



The Cheetah SPI Host Adapter was engineered from the very beginning to be a cross-platform device. The software and utilities for the Cheetah Adapter function on Windows and Linux so that you can develop software for your preferred platform

Windows

The software is officially supported on Windows XP (SP2 or later, 32-bit only), Windows Vista (32-bit and 64-bit), and Windows 7 (32-bit and 64-bit).

Linux

The software has been designed for Red Hat Enterprise Linux 4 and 5 with kernel 2.6. Customers have reported successful operation with SuSE and Ubuntu distributions. Please be aware that there may be significant differences and idiosyncracies in the way that different distributions of Linux operate. As such, Total Phase may not be able to support your particular distribution of Linux. Support will be offered on a case-by-case basis.

Mac OS X

The software is supported on Intel versions of Mac OS X 10.4 Tiger, 10.5 Leopard, and 10.6 Snow Leopard.

64-bit Support

The graphical software will run on 64-bit Windows, Linux, and Mac OS X systems as a 32-bit application. However, separate 32-bit and 64-bit versions of the API libraries are provided to allow custom applications to be built for either architecture.

You will never have to worry about being out of step with the latest software features. Software and firmware upgrades are always freely available at www.totalphase.com