Cypress USB Mass Storage Driver Release Notes

Purpose

The Cypress USB Mass Storage Driver provides support for the entire line of Cypress USB Mass Storage products (AT2, FX, FX2, ISD200, ISD300, and SL11R-IDE) on Windows 98 Second Edition, Millennium Edition, 2000 Professional, and XP Home and Professional.

Description

The driver release consists of the following files:

- TPP200.inf – ISD200 driver setup information
- TPP200.sys – ISD200 driver
- TPP300.inf – ISD300 driver setup information
- TPP300.sys – ISD300 driver
- TPPFX.inf – AT2, FX, and FX2 driver setup information
- TPPFX.sys – AT2, FX, and FX2 driver
- TPPSL11R.inf – SL11R-IDE driver setup information
- TPPSL11R.sys – SL11R-IDE driver
- TPPIOSTB.inf – I/O subsystem port driver setup information
- TPPIOSTB.pdr – I/O subsystem port driver
- TPPIOSMP.sys – I/O subsystem filter driver
- TPPUI16.dll – 16-bit user interface library
- TPPUI32.dll – 32 bit user interface library
- TPPALDR.exe – Autoloader background application
- TPPSTRY.exe – System tray application for Windows 98 and ME
- TPPNTTRY.exe – System tray application for Windows 2000 and XP
- TPPUN.exe – Uninstaller

Release Version History

Release 5.16
- Fixed an issue where an application issuing a Request Sense CDB immediately following a CDB that had failed and issued an automatic Request Sense would cause the ASPI layer to crash in Windows 98 and ME. Now the second Request Sense will receive the sense data from the automatically generated Request Sense.
- Fixed an issue where devices connected via ISD200, FX, FX2, AT2, or SL11R would report media problems when resuming from suspend on Windows 98 or ME
- Fixed an issue that would prevent old versions of the driver from being updated
- Fixed an issue that would prevent the system tray application from starting when a device was attached
- Fixed an issue that would prevent Windows ME from shutting down when the driver was in use
- Fixed an issue in which the driver would mistakenly identify an ATAPI device connected via an ISD300 (original revision) as ATA if the device did not fail the IDENTIFY DEVICE command
- Performance enhancements are now disabled by default because they are not handle correctly by the Microsoft USB 2.0 host controller drivers in Windows 2000
- Added the ability to customize TPPALDR's USB Interrupt polling interval via the Registry

- Added support for AT2 Mass Storage Bridge to TPPFX.inf
- Added support for CY4616 USB NAND Flash Drive Reference Design

Release 5.15
- Fixed an issue where memory was not properly deallocated by the driver if an attempt to get USB Descriptors failed
- Removed support for third-party devices from INF files
- Added support for USB Interrupt Pipe to TPPFX

Release 5.11
- Fixed an in which ATA Security features would be shown for FX and SL11R chips even though they do not support ATA Security
- Removed support for the USB 2.0 High Speed performance enhancement from TPPFX. This was done because there is a defect in the Microsoft EHCI driver stack for Windows 2000 and XP that can crash the OS if the performance enhancement is used with the FX2
- Added validation of SL11R and FX/FX2 chips. This feature prevents the driver from working with a bridge using an SL11R or FX VID/PID when that bridge is not a legitimate SL11R or FX
- Added High Speed/Full Speed detection for FX2. This will allow the Adapter Property SCSI passthru command to correctly show the BusMajorVersion with the FX2

Release 5.10
- Original 5.1 release
- Added password protection for devices that support the ATA Security feature set, mainly Hard Drives, and bridge chips which support the ATACB protocol (the ISD-200 and ISD-300).
- Added spin-up/spin-down features to the Start/Stop and Suspend/Resume functions
- Added compatibility with the 'ControlPanel/Power Options/Power Schemes/Turn off hard disks' setting
- Added optional USB Interrupt support for ISD-300 products. Implemented a default "Safe Removal" feature that utilizes the USB Interrupt (if enabled)
- Added device Icons to the System Tray application. Implemented two device icons, one for USB 1.1 enumerated devices and one for USB 2.0 enumerated devices
- Added initial support for Cypress FX series and SL11R development kits
- Added Japanese translations for new feature sets
- Removed support for ISD725 Mass Storage products
- Windows 98 Gold is not a supported operating system with driver version 5.1x