

# SCSI CLI for ASPI

## Technical Description

### 1. Introduction

The SCSI CLI for ASPI product allows the user to execute the SCSI commands from the command prompt via the ASPI.

The product is optimized for Tape Drive and Media Changer devices.

The product is available in both End User and OEM versions.

### 2. Supported operating system platforms

The following Windows operating system platforms are supported:

- Windows 98SE
- Windows ME
- Windows 2000
- Windows XP 32-bit
- Windows Server 2003 32-bit
- Windows Vista 32-bit
- Windows 7 32-bit

### 3. System requirements

Hardware requirements:

- 200 MHZ or faster Inter Pentium TM or equivalent CPU.
- 128 MB RAM. The optimal size of RAM depends on the installed Windows operating system.
- 10GB hard disk. The optimal size of hard disk depends on the installed Windows operating system.
- 15" or greater SVGA display.
- Standard keyboard and mouse.
- One or more host bus adapters.

Software requirements:

- Supported Windows operating system with the necessary service pack installed.
- Internet Explorer version 5.0 or higher.
- Adaptec ASPI software package version 4.71 or higher.

NOTE: It is recommended to install all system patches from Windows Update site.

## **4. Product features**

### **4.1. Command line interface**

Each executable module is implemented as a console application that accepts the number of arguments in the command line. The command line arguments allow user to specify the SCSI device and the SCSI command parameters.

More information on command line interface can be found in the command line interface specification document.

### **4.2. SCSI bus rescanning**

User can rescan the SCSI buses of the host bus adapters using the command line utility. During the rescanning the ASPI subsystem updates the list of the detected devices.

### **4.3. SCSI device enumeration**

User can enumerate the detected SCSI devices using the command line utility. The utility prints in the console window the list of the detected devices.

### **4.4. Showing the product information**

User can view the information about the installed SCSI CLI for ASPI product and ASPI software package using the command line utility. The utility prints in the console window the version number and the licensing information for SCSI CLI for ASPI product. For ASPI software package the utility prints the version number of the package.

### **4.5. SCSI-3 support**

The product supports the SCSI commands and the device parameters as described in the SCSI-3 standards documents. The implementation is based on the following SCSI standards documents.

- SCSI Architecture Model - 3 (SAM-3)
- SCSI Primary Commands - 3 (SPC-3)
- SCSI Stream Commands - 3 (SSC-3)
- SCSI Media Changer Commands - 3 (SMC-3)

Some features from the latest standards documents are also implemented. The product supports mandatory SCSI commands and device parameters, and some optional commands and device parameters.

### **4.6. Primary commands and parameters support**

The following commands from the primary command set are supported.

- Inquiry (12h)
- Read Buffer (3Ch)

- Report LUNs (A0h)
- Request Sense (03h)
- Test Unit Ready (00h)

The following shared vital product data pages are supported.

- Device Identification (83h)
- Supported VPD Pages (00h)
- Unit Serial Number (80h)

#### **4.7. Tape Drive commands and parameters support**

The following commands from the tape drive command set are supported.

- Erase (6) (19h)
- Load Unload (1Bh)
- Locate (10) (2Bh)
- Read (6) (08h)
- Rewind (01h)
- Space (6) (11h)
- Write (6) (0Ah)

#### **4.8. Media Changer commands and parameters support**

The following commands from the media changer command set are supported.

- Initialize Element Status (07h)
- Initialize Element Status With Range (37h)
- Move Medium (A5h)
- Move Medium Attached (A7h)
- Read Element Status (B8h)
- Read Element Status Attached (B4h)

#### **4.9. OEM version**

The product is available in OEM version in addition to the end user version. The OEM version of the product is intended to be used and redistributed only in the built-in form as a native part of the other solutions.