

- 1.1.1.
- 1.2. Install SCSI PCB. Adaptec 29160 (**SMART APEX ONLY**)
  - 1.2.1. Install the SCSI PCB in the **first** available PCI slot.
- 1.3. Update the SCSI Drivers. (**SMART APEX ONLY**)
  - 1.3.1. Insert the BrukerCD.  
Go to the Control Panel and select System/ Hardware/ Device manager/ SCSI and RAID controllers/SCSI Controller.
  - 1.3.2. Click reinstall driver
 

Update device driver wizard	Next	
Install hardware device driver	(✓)Search for a suitable driver	Next
Locate driver files	(✓) Specify a location	Next
Upgrade device driver wizard	Browse...	
Bruker CD Drivers/AHA29160/W2k/WIN2000\ULTRA160\ADPU160M.INF		[Open]
Upgrade Device wizard	Ok	
Digital Signature not found	[Yes]	
Completing the Upgrade Device Driver Wizard	[Finish]	
Adaptec SCSI Card29160.... Properties[Close]		
  - 1.3.3. Reboot the computer and enter the SCSI Select Utility. (CNTLA) (**SMART APEX ONLY**)

Enter Configure/View Host Adapter Settings  
 29160 Adaptec Utility v3.10.0  
 Configuration

SCSI Bus Interface Definitions

<i>SCSI Controller ID</i>	7	
<i>SCSI Controller Parity</i>	Enabled	
<i>SCSI Controller Termination</i>	<Enter>	
LVD/SE Connector		Enabled
SE Connector		Automatic

Additional Options

<i>Boot Device Configuration</i>		<Enter>
Select Master SCSI...	29160	A at slot 02 00 10:00
Boot SCSI Controller	29160	A at slot 02 00 10:00
Boot SCSI ID	0	
Boot LUN Number	0	

*SCSI Device Configuration.*

<Enter>

Verify the following parameters for the Apex SCSI Device ID setting #6.

Sync Transfer Rate (MB/sec)	ASYN	<b>Important!</b>
Initiate Wide Negotiation	No	
Enable Disconnection	No	<b>Important!</b>
Send Start Unit Command	No	
Enable Write Back Cache	N/C	
BIOS Multiple LUN Support	No	
Include in BIOS Scan	Yes	

*Advanced Configuration Options*

<Enter>

Reset SCSI Bus at IC Initialization	Disabled	
Display<CTRL> <A> Message...	Enabled	
Extended Int 13 Translation...	Disabled	<b>Important!</b>
POST Display Mode	Verbose	
SCSI Controller Int 13 Support	Disabled:NOT scan	
Domain Validation	Disabled	
Support Removable Disks...	Disabled	
BIOS Support for Bootable CD-ROM	Enabled	

SAVE Changes Made and Exit.

Note the correct Power-on sequence for the APEX detector.

- 1) Controller
- 2) Computer
- 3) APEX Power Supply.

1.4. Retrieve the version number of the SCSI NT driver. (**SMART APEX ONLY**)

Select Windows Explorer

Navigate to: C:\winnt\system32\drivers

Right click on: Adu160m.sys

Select Properties

Click on "Version" tab

Record this version on the Serial Number Report.

**NOTE:**

**Must reinstall EasyWriter (Adaptec) CD-ROM software to get SMART to recognize LDI SCSI driver.**