

SATA III PCI-Express ADAPTER

Introduction

Overview

The card is a single-chip, PCI Express to two Serial-ATA (SATA) Gen III 6Gb/s channels host controller that brings server-class features to the desktop. 1061 equips ASMEDIA high performance PCI Express chipset which supports all Serial ATA I, II, and III features. Card enables the use of the industry's newest and fastest hard drives at 6Gb/s while providing backward compatibility to legacy SATA 1.5Gb/s or 3Gb/s drives. It uses the same cable and connectors as previous SATA generations to ease integration. Besides, PCI Express 2.0 double the bandwidth of the existing PCI Express bus for faster data throughput. It will enhance system performance for every type of computer user. Each PCI-Express 2.0 lane provides up to 500MB/s of throughput. It also backward compatible with previous generation of PCI-Express 1.0 technology.

General Features

PCI Express Base Specification Rev. 2.0
PCI Express Card Electromechanical Rev. 2.0
Serial ATA AHCI Spec. Rev.1.3
Serial ATA Revision 3.0

PCI Express Features

- One lane PCI Express for 2.5 and 5GHz signaling
- Single virtual channel
- SSC support
- ECRC and Advanced Error Reporting capability

Serial ATA Features

- 2 ports Serial ATA PHY for 1.5, 3.0 and 6.0GHz signaling
- Support IDE/AHCI mode
- Support Native Command Queue (NCQ)
- Support Gen1m and Gen2m SATA PHY
- Support Port Multiplier

System Requirements

Hardware:

- A Pentium® IV or later, Pentium® compatible computer
- One PCI-E slot
- This SATA III card requires an available PCI-E slot inside your computer.

Systems supported:

- Windows® VISTA / 7(32/64)

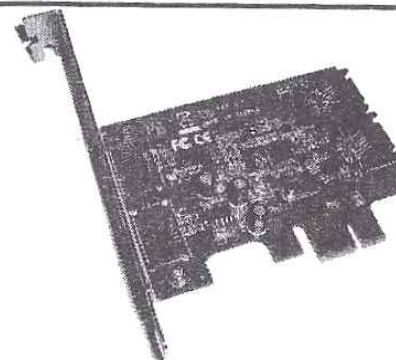
Package Contents

This PCI-E Card package includes the following:

- Installation Guide • CD Driver

Configuration

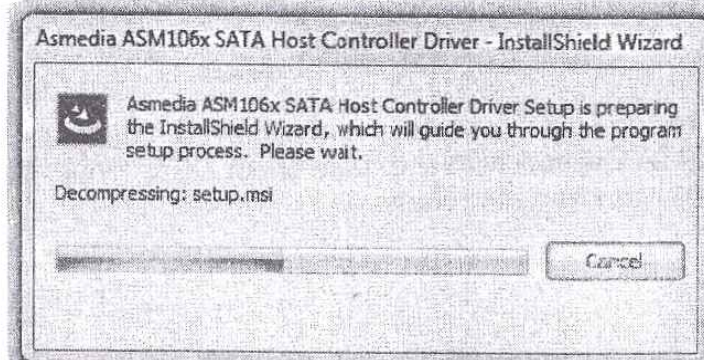
The SATA III PCI-Express Card



Driver Installation:

Once Windows startup, SATA III PCI-E card will be detected by system. In order to ensure the better performance, please install driver as below steps:

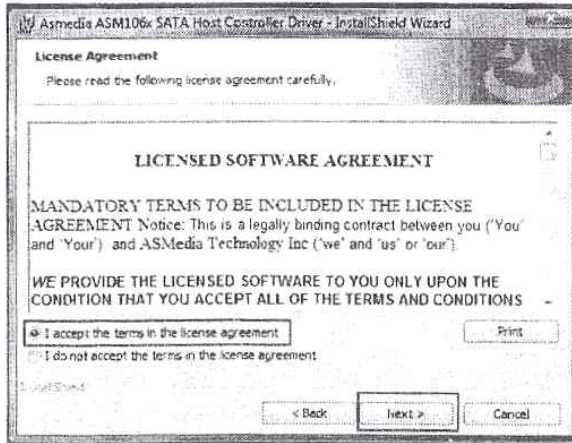
1. Please insert the attached CD into your CD-ROM and click drv(:\setup.exe)



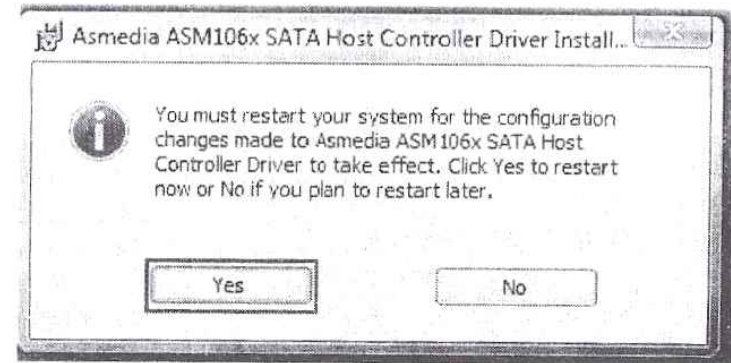
- Click **"Next"** to continue.



- Specify driver installation folder in system and click **"Next"** to continue.



- You must restart your system for the configuration changes made to SATA Controller driver to take effect. Click **"Yes"** to end of the driver installation steps.



To verify successful installation in Windows® VISTA and 7 :

- From the main desktop, click on **"My Computer"**, then double-click on **"Control Panel, System"**, and **"Device Manager"**.
- Double-click on **"IDE ATA/ATAPI controller"**, you should find **"Asmedia 106x SATA Controller"** and **"ATA Channel 0 & 1"**. The SATA III card is now ready to use.

