

CG-PCIeS3-i4p

4-port SATA3 RAID PCIe (x2)

Card w/ HyperDuo Modes

- ✓ Supports 2-Lane 5 Gbps PCI Express Gen2 Bus
- ✓ Provides 4 SATA3 Ports, 6Gbps Data Rate
- ✓ Backward Compatible with SATA/SATA2 Devices
- ✓ Supports SATA RAID 0, 1 and 0+1 Modes
- ✓ MSU Supports HyperDuo Modes: Safe and Capacity
- ✓ Supports Port Multiplier FIS Based Switching
- ✓ Supports Native Mode Operation
- ✓ Low Profile Version by Optional Short Bracket
- ✓ BIOS Supports Boot and RAID Re-build Features
- ✓ Provides Integrated Connector for Activity LEDs
- ✓ Supports Win 2000, XP, 2003 and Vista and Win7



INTRODUCTION

The CG-PCIeS3-i4p 4-port SATA3 RAID and HyperDuo PCIe host adapter is designed to fit the current market trend and provides the best performance/cost choice for upgrading your personal computers.

Besides RAID 0, 1 and 0+1 modes, the CG-PCIeS3-i4p's MSU supports HyperDuo modes that allow the SSD and a SATA drive to increase its reliability (Safe mode) or optimize for maximum utilization of the SSD (Capacity mode).

PCI Express provides a scalable, high-speed, serial I/O bus that maintains backward compatibility with PCI applications and drivers. Its architecture defines a high-performance, point-to-point, scalable, serial bus at speed of 500Mbytes/sec to 4GBytes/sec (and 8Gbytes/sec in the future).

Per the current market trend in PC arena, the CG-PCIeS3-i4p supports RAID processor (low CPU utilization), and multi-tasking O.S. with its Bus Master DMA transfer algorithms.

High transfer rate is supported up to 1,000MB/S (2 lanes) for large imaging data file applications. It breaks the bottleneck and extends the bandwidth of the current data I/O.

Besides, with its co-resident and multiple connectivity features, the CG-PCIeS3-i4p provides the best solution for a PCI Express to SATA versatile devices.

SPECIFICATIONS

System

For 2-lane PCI Express Gen2 Systems

PCI Express Interface

Fully PCI Express Specifications 2.0 Compliant

Serial ATA Ports

4 SATA3 ports which fully support devices up to 6.0Gb/s data transfer rate.

- Supports Hot-Plug and Hot-Swap Features.
- Supports Port Multiplier Based on FIS Switching.
- Onboard ROM BIOS Supports Boot and RAID Re-build Features
- Supports SATA Devices in RAID 0, 1 and RAID 0+ 1 Modes
- MSU supports HyperDuo Modes: Safe and Capacity Modes
- Supports Native Command Queuing (NCQ)

I/O Hardware

Supports two double-deck (4 ports total) internal SATA connectors.

OS Support

Windows 2000, XP, 2003, Vista and Win 7

Form Factor

3.11" x 1.89" (7.90cm x 4.80cm)
