®
VANTEC

Support SATA 6G

4 Channel 6-Port SATA 6Gb/s PCIe RAID Host Card

- Compliant with PCI-Express Specification v2.0 (backward with PCI-Express 1.x)
- Compliant with Serial ATA Specification 3.0
- PCI Express x2 interface, and compatible with PCI Express x4, x8 and x16 slots
- Supports communication speeds of 6.0Gbps, 3.0Gbps, and 1.5Gbps
- Hot plug and Hot Swap
- Supports Native Command Queuing (NCQ)
- Supports Port Multiplier FIS based switching or command based switching
- Compatible with SATA III/II/I Hard Drives
- Support RAID function: RAID 0, RAID 1, RAID 10 and HyperDuo

• Introduction:

The UGT-ST644R design encompasses great design and server technology into simple RAID Host controller. It uses the latest storage technology to bring SSD caching storage to the HDD drive to gain unparalleled access speed. This RAID Host controller enables the use of the industry's newest and fastest hard drives at 6Gb/s while providing backward compatibility to legacy SATA 3Gb/s or 1.5Gb/s drives. It uses the same cable and connectors as previous SATA generations to ease integration. Come standard for PCI Express 2.0 to double the bandwidth of the existing PCI Express bus for faster data throughput thus enhancing system performance for every type of computer user. Each PCI-Express 2.0 lane provides up to 500MB/s of throughput. It is also backward compatible with previous generation of PCI Express 1.0 technology. Using the onboard RAID firmware, the 4 SATA drives attached to this controller can be easily configured as 4 individual ports with no RAID or with RAID 0, RAID 1, RAID 10, and HyperDuo capabilities.

• Specifiactions:

Model:	UGT-ST644R
Ports:	4 x Internal SATA 6Gb/s Ports (Backward Compatible with SATA II/I)
	2 x External SATA (eSATA) Ports
Dimensions:	111 x 68 x 18mm
Interface:	PCIe v2.0

• System Requirement

> PCI Express x4, x8 or x16 slot
> Windows® XP/Vista/7/8 and Server 2008 R2

• Package Contents

1 x 4 Channel 6-Port SATA 6Gb/s PCIe RAID Host Card
1 x Driver CD
1 x User Manual
1 x Low Profile Bracket
2 x SATA Cables