SuperSpeed

4 Channel, 2 mSATA + 2 SATA 6Gb/s RAID Card with HyperDuo

- Two 7Pin SATA connectors and two mSATA (mini PCIe) socket on board
- Mounts two mSATA SSDs and two SATA HDDs in PCIe slot
- Compliant with PCI-Express Specification v2.0 and backward compatible 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 on SATA connection
- Supports Native Command Queuing (NCQ)
- Support ATA and ATAPI commands
- Compatible with SATA III/II/I Hard Drives
- Support RAID function: RAID 0, RAID 1, RAID 10 and HyperDuo

| SATA 6GB/S SATA III Specification | NCQ | HyperDuo | mSATA x2 SATA x2 Channel 4 | PCIe PCI Express v 2.0 | RAID Ready | Low Profile Bracket Included | PCIe x4 |

• Introduction:

The UGT-MST644R design encompasses great design and server technology into simple RAID Host controller. It uses the latest storage technology to bring Solid State Memory (mSATA) to cache data in 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. 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 2 mSATA port and 2 SATA port 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.

• Specifications:

Model:	UGT-MST644R
Ports:	2 x mSATA(50mm) 6Gb/s Ports
	2 x SATA 6Gb/s Ports (backwards compatible with SATA II/I)
Dimensions:	155 x 51 x 18mm
Interface:	PCI Express x2, compatible with PCI Express x4, x8 and x16 slots

• System Requirement

> PCI Express x4, x8 or x16 slot
> Windows® XP/Vista/7/8/8.1

• Package Contents

1 x 4 Channel, 2 mSATA + 2 SATA 6Gb/s RAID Card with HyperDuo
1 x Driver CD
1 x User Manual
1 x Low Profile Bracket
2 x SATA Cables