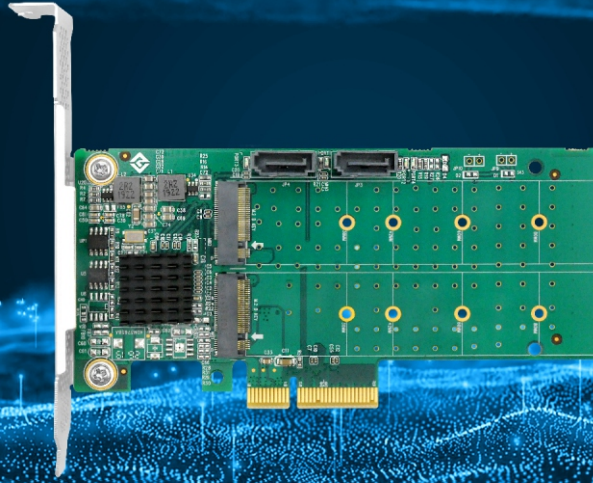# Four-Lane PCIe 2.0 to SATA 3.0 RAID Controller Card

Product Descripton

LRST9630-2M2S is a new product which developed on the basis of the chip scheme MARVELL 88SE9230, The product can extend SATA3.0 interfaces through PCIe interface of PC host, which conforms to serial ATA specificaaon 3.0. With the increasing requirement of hard disk reading and writng speed, SATA 2.0 can no longer meet the requirement. SATA 3.0 has become the mainstream of hard disk interface. But at present most motherboards SATA 3.0 interface is seldom used. To meet the needs of users, the product is developed to connect the PCIe interface to SATA 3.0, giving the expansion card high performance and scalability. It can extend four SATA 3.0 interfaces and backward is compatble with SATA 2.0.

Functional Chaacterisstics

- Compliant with SATA3.0 Specificaaon and PCIe2.0 Specificaaons.
- Supports communicaton speeds of 6.0Gbps, 3.0Gbps, and1.5Gbps.
- Supports hot-plugging and heat-exchanging.
- Compatble with SATA 6G, 3G and 1.5G hard disk drives.
- Supports programmable transmission signal level.
- Supports Gen1i, Gen 1X, Gen2i, Gen 2m, Gen2X , Gen3i.
- Supports 4 SATA ports.
- Supports AHCI 1.0 and IDE programming interface.

- Supports Natve Command Queuing(NCQ).
- Supports Message Signaled Interrupt(MSI).
- Supports Port Multpler FIS-based switching or command-based switching.
- Supports Control, Bulk, Stream, Interrupt, Isochronous.
- Supports Partal and Slumber Power Management states.

Host Interface

PCIe x4 channel,Compatble with PCIe x8, PCIe x16 slot
Skinny version adapter card(support 2U,3U metal case)

Operating ystem Support

Operating System:

Windows Server 2003 32-bit(64-bit)

Windows Vista 32-bit(64-bit)

Windows 7 32-bit(64-bit)

Windows 8 32-bit(64-bit)

Windows Server 2008 32-bit(64-bit)

Windows Server 2008 R2 32-bit(64-bit)

Linux 2.4 series kernel and 2.6.x and 3.x driver)

Technical Specificaaons

HARDWARE

Model	LRST9630-2M2S
I/O Controller	MARVELL 88SE9230
Bus Type	PCI Express 2.0
Compatble Drive Types	4 SATA SSDs
Interface	2*M.2&2*SATA
RAID Level	RAID 0,1,10

CONNECTOR(S)

Drive Connectors	2*M.2 B-Key&2*SATA
Host Connectors	PCIe x4

ENVIRONMENTAL

Humidity	0% – 90%
Operatng Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	-10°C to 65°C (14°F to 149°F)

PHYSICAL CHARACTERISTICS

Dimension	136mm*69mm
Product Weight	170g

WARRANTY INFORMATION

Warranty	2 Years

PACKAGING INFORMATION

Shipping (Package) Weight	4.4oz [125 g]

WHAT'S IN THE BOX

Included in Package	1 - PCI Express to SATA3 Raid Controller Card
	1 - low-profile bracket
	1 - full-height bracket (installed)
	2 - Screw&Nut for ssd

* Product appearance and specificaaons are subject to change without nonce.