

## SATA-II (1 TO 5) Port Multiplier User's Manual

### **Introduction**

SATA-II (1 TO 5) Port Multiplier is 1-to-5 SATA Port Multiplier designed to provide a high performance link between a single SATA host port and 5 SATA device ports. With its unique data aggregation capability and 3Gbps serial link capability, the product is able to take full advantage of 3Gbps host link bandwidth and FIS-based switching host controllers by bundling together data from device ports and sending it over the 3Gbps host link. Additionally, the feature-rich product supports all the port multiplier related SATA II extensions allowing system designers to exploit the full potential of SATA in their storage solutions. The product supports host and device link rates of 1.5Gbps and 3Gbps with auto-negotiation allowing system designers to utilize 3Gbps host links with today's 1.5Gbps hard drives, and to futureproof designs for the emergence of 3Gbps SATA hard drives. Additionally, the product chipset contains a SATA enclosure management bridge (SEMB) to pass in-band enclosure management information between the host and an enclosure management device. Other important features include, programmable high drive capability for backplane and external applications, asynchronous notification to eliminate the need for host polling to determine if a device has been added or removed, and hot plug support.

### **Features**

- 1-to-5 native SATA Port Multiplier
- Full support for FIS-based switching and command-based switching SATA host controllers
- Advanced data aggregation architecture for ultra-fast read and write operations with FIS-based switching controllers
- High-speed, native SATA connection to host and device
- 1.5Gbps or 3Gbps link rate with auto-negotiation
- Host and device status and activity LED's

### **Package Contents**

Following items are included in the packaging box:

- SATA-II (1 TO 5) Port Multiplier
- User's Manual \* 1
- USB to DC cable \* 1

### **System Requirements**

IBM or compatible systems with a PIII or faster processor (Pentium processor recommended)

- An available SATA Port (PCI-X OR PCI-E CARD)
- Windows 2000/XP/2003 Server.
- 256 Megabytes (MB) of memory

## Hardware Installation

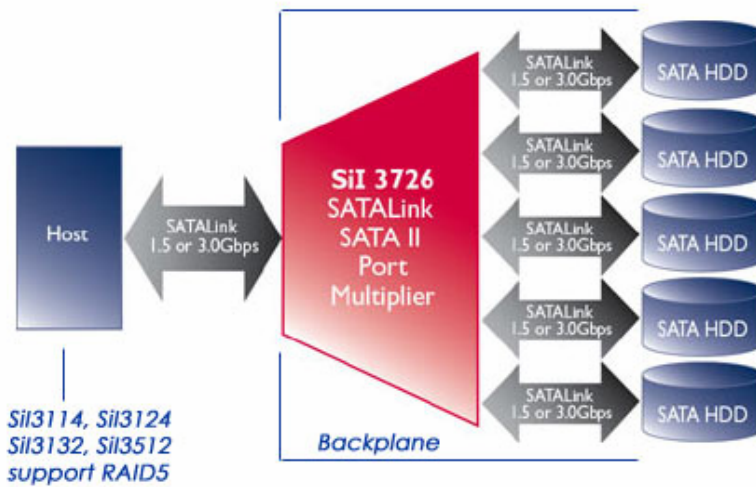
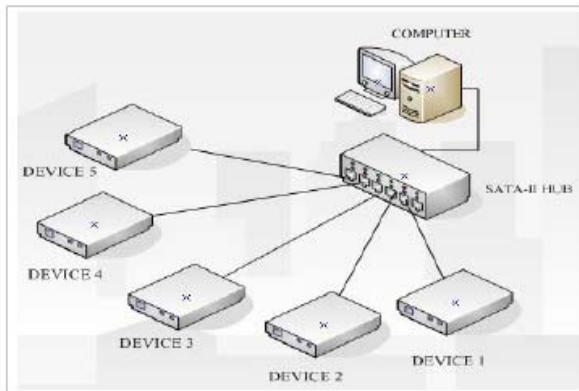
Front:



Back:



## Device Functional Block Overview :



**Technical Support and Warranty Information**

Please visit [www.datoptic.com](http://www.datoptic.com) for your product questions, troubleshooting and frequent updates. If you need additional technical support, please email [support@datoptic.com](mailto:support@datoptic.com). Please include the model number of the product, operating system you are using (Windows 98SE, ME, 2000, NT or XP), and any other pertinent information.

This warranty is valid at the time of purchase and is non-transferable. This warranty must be present to the service facility before any repair can be made. A sales slip or other authentic evidence is required to validate warranty. Damage caused by accident, misuse, abuse, improper storage, and/or uncertified repairs are not covered by this warranty. All mail or transportation costs including insurance are at the expense of the owner. Do not send any product for warranty without proper Return Merchandise Authorization (RMA) and proof of purchase. Ensure a trackable method of delivery is used. Warranty is valid only in the country of purchase. We assume no liability that may result directly or indirectly from the use or misuse of this product.