## INTRODUCTION

The Addonics Internal 5-Port 6G PM (Port Multiplier) is the newest member in our PM family that supports SATA 3.0 6Gbps data transfer rate. Designed to be mounted into add-on card slot of any standard desktop or low profile system, this PM connects up to 5 SATA hard drives or optical drives into a single SATA port on a system board or on an add-in controller. The five drives appears as five independent drives or can be set as a RAID group using the RAID software of the OS or the host controller. It is a great solution for adding more drives to a computer with limited SATA ports.

Internal 5-SATA 6G Port Multiplier (PM)
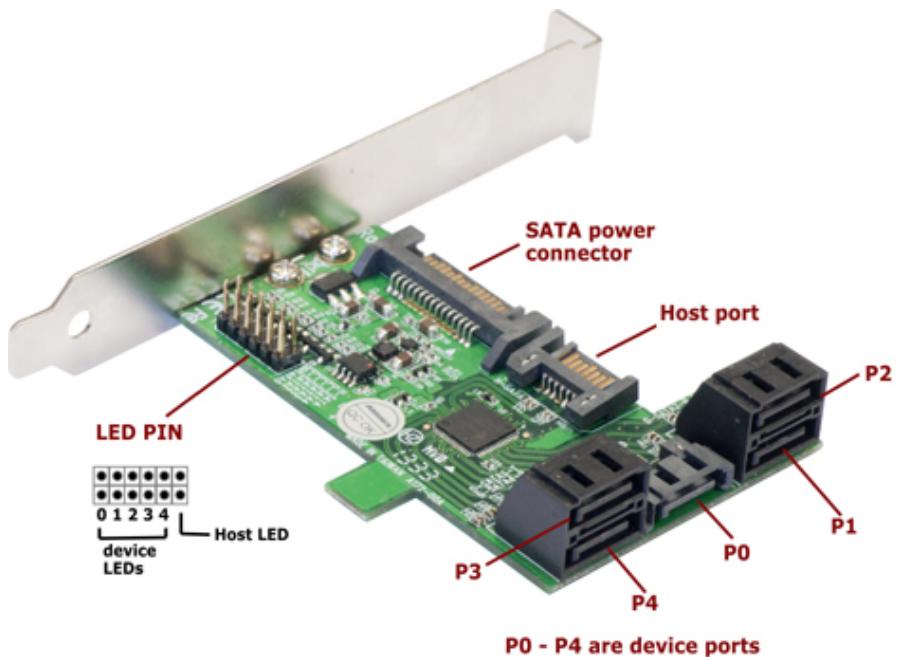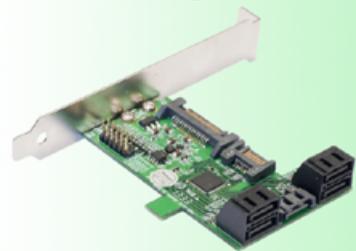
P0 - P4 are device ports

FEATURES

• Connect up to 5 SATA hard drives or optical drives via a single SATA port
• Up to 6 Gbits/sec when connecting to SATA 3.0 port supporting this speed
• Compliant with SATA 1.0, 2.0 and 3.0 specification
• Require PM compatible SATA port or host controller (SATA port with no PM support can detect only the drive connecting
  to port 0)
• Designed to be mounted onto any standard or low profile add-in card slot on a Desktop case (low profile bracket
  included)
• Drives appear as five individual drives to the system (in simultaneous data transfer, the maximum data transfer is that of
  the slowest member of the five drives)
• Drives can be set to RAID via the software utility of the OS or the host controller
• Support hot swap
• Compatible with any SATA hard drive, SSD or SATA optical drives
• OS Support: depends on the attached SATA port

* Port Multiplier does not work with SATA controller that has no PM support. Check with your system supplier to confirm the PM support on your existing
SATA port

SPECIFICATIONS

• Six (6) SATA port - five (5) device ports and one host port
• Full support for FIS-based switching and command-based switching SATA host controllers
• Auto-negotiation support for 1.5Gbps, 3.0Gbps and 6.0Gbps SATA speed
• Compliant with SATA 1.0, 2.0 and 3.0 specification
• LED Pin Headers for Host & devices
• SATA 15-pin power connector
• Power consumption ~ 200 mA at 5V
• OS independent
• Maximum PCB dimension (W x L x H): ~ 55 x 82 x 15 mm (2.17 x 3.23 x .59 in.)
• Weight: ~ 42 gm (1.48 oz)
• Operating temperature and humidity: 0 - 60 °C, 5 - 90 % RH
• Storage temperature and humidity: -20 - 70 °C, 0 - 95 % RH non-condensing