

SATA III - 6Gbps Low Profile PCIe 2.0 Host Adapter

1. Introduction

2Ports 6Gbps SATA III PCI Express 2.0 host board to support, Hardware RAID0, RAID1, NCQ & Port Multiplier!

1.1. Features

- 6Gbps SATA III 2 Ports PCIe Gen2 1 Lane Host Adapter
- Hardware RAID controller to offload host CPU for max performance
- Supports PCIe 1.0 and PCIe 2.0 motherboard
- Compliant with 5Gbps PCI Express 2.0
- Fully compliant with Serial ATA specifications 3.0 transfer rate of 6Gbps
- Supports SATA I & SATA II & SATA III HDD, SSD, Optical Drive and Blu-Ray Drive
- Supports Non-Raid mode for Optical Drive and Blu-Ray Drive
- Supports Non-Raid, Hardware RAID0, Hardware RAID1 for HDD and SSD
- Supports ATA and ATAPI commands
- Supports Native Command Queuing (NCQ)
- Supports one SATA FIS-based or Command-based switching Port Multiplier
- Low Profile PCIe Form Factor
- Regular size PCIe bracket on board and Low Profile bracket included
- SATA Hot-plug capability
- Two Pin headers on board for LED connection
- OS Built-in AHCI inbox driver natively in Windows 10, Win8, Win7, Vista, 2008, 2012, Linux, Mac 10.x and later, no additional driver required
- BIOS on board support OS Booting & RAID Configuration on Windows and Linux
- Provides Windows XP driver
- Provides Windows & Mac & Linux GUI to configure and Monitor Hardware RAID0, RAID1 and support max two RAID groups

2. RAID Configuration via BIOS Utility

1. Power up the computer system.
2. During the Power-on-Self Test (POST), press “**CTRL-M**” to launch BIOS Utility.
3. Check the screen with “**Topology**” pane at the left hand side and “**Information**” pane at the right hand side.
4. Select proper option for **RAID Creating, RAID Erasing, RAID1 Rebuilding** and **Virtual Disk Deleting**
5. Please find **MSU_user_guide_xxx.pdf** in driver CD path **E:\SATA6G_M9128 \GUI\Windows** for the detail of BIOS Utility





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3. Windows Driver Installation

1. When Windows 10, Win8, Win7, Vista, 2008, 2012, OS built-in AHCI inbox driver support, no additional driver required.
2. When Windows XP or 2003, run installer “**drvSetup.exe**” on driver CD folder “**E:\SATA6G_M9128**” until “**Finish**”.
3. If you concern the yellow mark of “**Marvell Console ATA Device**” in Windows Device Manage, you may run **drvConsoleSetup.exe** to remove it.



4. Windows GUI Installation

1. Go to the driver CD folder “**\SATA6G_M9128\GUI\Windows**”, run “**MSUSetup_vxxx.exe**” for RAID GUI utility installation to get the **MSU shortcut icon**  on the screen.
2. Double-click the **MSU shortcut icon**  to open the MSU and take you to a login page.
3. Find **MSU_User_Guide_xxx.pdf** on driver CD folder “**\SATA6G_M9128\GUI \Windows**” for detail information about RAID, HyperDuo and GUI functions.

5. Linux Driver

Linux OS built-in AHCI inbox driver support, no additional driver required.



6. Linux GUI Installation

1. Go to the driver CD folder “**\SATA6G_M9128\GUI\Linux**”, unzip “**Linux_MSU_vxxx.7z**”, read “**readme.txt**” for fixing info, run “**MSU-x.x.x.x**” for RAID GUI utility installation to get the **MSU shortcut icon**  on the screen.
2. Double-click the **MSU shortcut icon**  to open the MSU and take you to a login page.
3. Find **MSU_User_Guide_xxx.pdf** on driver CD folder “**\SATA6G_M9128\GUI \Windows**” for the information about RAID, HyperDuo and GUI functions.

7. Mac Driver

Mac 10.x and above OS built-in AHCI inbox driver support, no additional driver required.

8. Mac GUI Installation

1. Go to the driver CD folder “**\SATA6G_M9128\GUI\Mac**”, click “**Mac_MSU_vxxx.dmg**”, run “**Mac_MSU_vxxx.pkg**” for RAID GUI utility installation to get the **MSU shortcut icon**  on the screen.
2. Double-click the **MSU shortcut icon**  to open the MSU and take you to a login page.
3. Find **MSU_User_Guide_xxx.pdf** on driver CD folder “**\SATA6G_M9128\GUI \Windows**” for the information about RAID, HyperDuo and GUI functions.