



?????Raid???????????

1. bios ??????
2. ?????? ?Dell Open Manage ,HP,LSI MSM
3. CLI???????

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- 1.bios ??????????,??????,?????,?????????.???????????
- 2.?????????????????.??????Server??????????
- 3.?????????,??????

?????.?????? Raid Card?????????????.

Lsi Card????????????????SAS ????.??????Lsi ?????????megacli ??????

Megacli [????](#) ?DOS ? ?????????OS?????????,Megacli??????

- [3ware RAID S/W Stack](#)
 - ? [Firmware Log](#)
 - ? [Power Save Management](#)
 - ? [Rescan Controller](#)
 - ? [StorSave Protection](#)
- [About heartbeat LED on board](#)
- [DELL 5/i 5/E 6/i 6/E ??](#)

- ? [BBU](#)
- [Discovery Error During Initializing BIOS](#)
- [Do LSI MegaRAID controllers support SMART and pass through SMART commands?](#)
- [Does the new MegaRAID 6Gb/s RoC products support hardware SR-IOV function?](#)
- [LSI MegaRAID Driver?MSM Utility](#)
- [LSI RAID Stack Training](#)
 - ? [Battery Back-up Unit Information](#)
 - ? [Block Change Tracking\(RAID bitmap\)](#)
 - ? [CacheCade Pro 2.0\(SSD Caching\)](#)
 - ? [Difference between RoC and IOP](#)
 - ? [Dimmer Switch\(Power Saving\)](#)
 - ? [Emergency Hotspare](#)
 - ? [Maintain PD Fail History ??????](#)
 - ? [Manage Link Speed](#)
 - ? [Online Volume Expansion\(Virtual Disk Resizing\)](#)
 - ? [RAID Metadata](#)
 - ? [Sense Code Message](#)
 - ? [TTY Log\(Firmware Log\)](#)
- [LSI??RAID Stack??\(For LSI SAS2008\)](#)
- [Raid?????](#)
 - ? [250GB *4 Raid ??](#)
 - ? [750GB *4 Raid ??](#)
 - ? [1TB *4 Raid ??](#)
- [MegaRAID S/W Stack History](#)
- [MegaRec Utility\(Cross-flashing\)](#)
- [???????](#)
- [RAID HBA missing with iBBU](#)
- [RAID VD????](#)
- [??INT13????](#)

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- Virtual Drive (VD)???????????????????????????????? RAID
 - ? VD State Optimal?RAID ??????? (??)
 - ? VD State Degraded?RAID ??????? (?????)
- Physical Drive (PD)????????????????????????????????
 - ? PD State Online?????????????????
 - ? PD State Fail?Unconfigured???????????????? (??????)
 - ? PD State Rebuild?????????????????
- Enclosure Number:
- Slot Number:
- Device Id:
- Sequence Number:

RAID Broken ??

?????? VD?PD ??????

Device	Normal	Damage	Rebuild	Normal
Virtual Drive	Optimal	Degraded	Degraded	Optimal
Physical Drive	Online	Failed --> Unconfigured	Rebuild	Online

1.?firmware

MegaCli -adpflash -f XXXX.rom [-NoSigChk] [-NoVerChk] -a0
 -NoSigChk ?????? -NoVerChk ??????

?? Dell H700 ???? ??? LSI 9260 ??

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BIOS ?Lsi ????????

<http://support1.ap.dell.com/cn/zh/fo...2B5%2Fi&page=1>
http://www.weithenn.idv.tw/cgi-bin/w...roller_PERC_5i

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MegaCli -PDList -aN|-a0,1,2|-aALL

eg.MegaCli -PDList -a0

Adapter #0

Enclosure Number: 1

Slot Number: 5

Device Id: 5

Sequence Number: 2

Media Error Count: 0

Other Error Count: 0

Predictive Failure Count: 0

Last Predictive Failure Event Seq Number: 0

Raw Size: 140014MB [0x11177328 Sectors]

Non Coerced Size: 139502MB [0x11077328 Sectors]

Coerced Size: 139392MB [0x11040000 Sectors]

Firmware state: Hotspare

SAS Address(0): 0x5000c50008e5cca9

SAS Address(1): 0x0

Inquiry Data: SEAGATE ST3146855SS S5273LN4Y1X0

??foreign

MegaCli -CfgForeign -Clear [x] -aN|-a0,1,2|-aALL

x - index of foreign configurations. Optional. All by default.

eg.MegaCli -CfgForeign -Clea -a0

????RAID????

MegaCli -LDInfo -Lx|-L0,1,2|-Lall -aN|-a0,1,2|-aALL

eg.MegaCli -LDInfo -Lall -a0

??Raid Card ????

MegaCli -AdpFacDefSet -aN

eg.MegaCli -AdpFacDefSet -a0

???

? ???? enclosure(252) slot(2). ??

MegaCli -pdclear -start -physdrv '[252:2]' -a0 ?? slot 2 ??

MegaCli -pdmakegood -physdrv '[252:2]' -a0 ??????????

MegaCli -ldrecon -start -add -physdrv '[252:2]' -l0 -a0 ??????

MegaCli -ldrecon -showprog -l0 -a0 ????

?? Reconstruction on VD #0 (target id #0) Completed 43% in 501 Minutes.

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H700 Link

<http://www.lsi.com/channel/products/...AS9260-8i.aspx>

FW ???? 0048

<http://downloadcenter.intel.com/Deta...dType=Firmware>