

# FC8/FC9 : 1To hard disk doesn't work

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Hello

On a linux box, I use an added card to provide sata connexions. This card is an ALI card, the M5281 Serial ATA.

On this card, I connected a 500Go hard disk sata II with no problem: the disk is recognize, no errors in the messages log file. hdparm -tT works well with this hard disk

on this card, on the second port, I connected a 1To hard disk: WDC 10EACS. the disk is recognized well but a lot of errors are written on the messages log file when I try to write a large file (36M) or to do simply a hdparm -tT on this device. The problem is the same with FC7/ FC8 and FC9.

```
# cat /proc/version
Linux version 2.6.25-14.fc9.i686 (mockbuild@) (gcc version 4.3.0 20080428 (Red Hat 4.3.0-8) (GCC) ) #1
SMP Thu May 1 06:28:41 EDT 2008
cat /etc/redhat-release
Fedora release 9 (Sulphur)
```

The error generated are :

```
kernel: ata3.00: exception Emask 0x0 SAct 0x0 SErr 0x280000 action 0x2
kernel: ata3.00: (BMDMA stat 0x85)
kernel: ata3.00: cmd c8/00:f8:08:0e:00/00:00:00:00/e0 tag 0 cdb 0x0 data 126976 in
kernel:      res 51/84:57:a9:0e:00/84:00:00:00/e0 Emask 0x10 (ATA bus error)
kernel: ata3: soft resetting port
kernel: ata3: SATA link up 1.5 Gbps (SStatus 113 SControl 300)
kernel: ata3.00: ata_hpa_resize 1: sectors = 1953525168, hpa_sectors = 1953525168
kernel: ata3.00: ata_hpa_resize 1: sectors = 1953525168, hpa_sectors = 1953525168
kernel: ata3.00: configured for UDMA/33
kernel: ata3: EH complete
kernel: sd 2:0:0:0: [sdc] 1953525168 512-byte hardware sectors (1000205 MB)
kernel: sd 2:0:0:0: [sdc] Write Protect is off
kernel: sd 2:0:0:0: [sdc] Write cache: enabled, read cache: enabled, doesn't support DPO or FUA
kernel: ata3.00: exception Emask 0x0 SAct 0x0 SErr 0x280000 action 0x2
kernel: ata3.00: (BMDMA stat 0x85)
kernel: ata3.00: cmd c8/00:70:00:0f:00/00:00:00:00/e0 tag 0 cdb 0x0 data 57344 in
kernel:      res 51/84:5f:11:0f:00/84:00:00:00/e0 Emask 0x10 (ATA bus error)
```

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```

The problem is the same if I have only one partition (1To ext3) or two 500go ext3 .

Is there a problem with my WD hard disk ? or is it a problem with 1To hard disk sata III ?

what about 1 To hard disk and Fedora ?

Thanks in advance for your help

Cheers

Jean-Philippe Battu ---

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