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Subject: **\*SOLVED\*** IT8212 Module (P-ATA)  
Posted by [slg2001](#) on Wed, 01 Mar 2006 12:12:06 GMT  
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Hi,

i have installed the ovzkernel-2.6.15-025stab014.1 everything works perfectly only the IT8212 Raid Controller makes problems.

If i boot with the Fedora Core (2.6.15-1.1831\_FC4) kernel the sd\_mod is loaded for the IT8212 Raid Controller. But if i boot with the openvz kernel the Raid Controller Module (sd\_mod) will not loaded! I don't found any module for it.

I tried some things, but i had no success!

1st TRY:

tried to compile the sources of the controller (get many errors)

2nd TRY:

copied the sd\_mod.ko to openvz-kernel and made "depmod -a" and "modprobe sd\_mod" (error-message: FATAL: Error inserting sd\_mod (/lib/modules/2.6.15-025stab014.1/kernel/drivers/scsi/sd\_mod.ko): Invalid module format)

Have anyone a solution?

thanks  
stefan

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Subject: Re: IT8212 SCSI Module (sd\_mod)  
Posted by [vaverin](#) on Wed, 01 Mar 2006 15:46:37 GMT  
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Hello Stefan,

sd\_mod is not Raid Controller Module, it is Scsi Disc driver. We have this driver compiled in-kernel.

As far as I understand the issue ovzkernel does not have driver for your raid controller. Currently I don't know what the driver should support your hardware. Could you please show me your /etc/modprobe.conf file?

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Subject: Re: IT8212 Module (P-ATA)  
Posted by [slg2001](#) on Wed, 01 Mar 2006 16:27:22 GMT  
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Hello vaverin,

thanks for your answer, here are my modprobe.conf file.

```
----- modprobe.conf -----  
alias bond0 bonding  
alias bond1 bonding  
alias bond2 bonding  
alias eth0 e1000  
alias eth1 e1000  
alias eth2 e1000  
alias eth3 e1000  
alias eth4 e1000  
alias eth5 e100  
alias scsi_hostadapter 3w-xxxx  
alias usb-controller ohci-hcd  
options bonding max_bonds=3 miimon=100  
----- modprobe.conf -----
```

I have 2 Controllers:

- 3-ware 8500 (s-ata)
- it8212 (p-ata)

At the dmesg-files you can see that both kernels find the controller, but only the FC4 kernel identify as an IT8212 and at the OpenVZ Kernel as an SvrWks (or else like that)!

Informations about the IT8212 at the openvz kernel  
"/lib/modules/2.6.15-025stab014.1/build/drivers/ide/Kconfig"

```
----- Kconfig -----  
config BLK_DEV_IT821X  
    tristate "IT821X IDE support"  
    help  
        This driver adds support for the ITE 8211 IDE controller and the  
        IT 8212 IDE RAID controller in both RAID and pass-through mode.  
----- Kconfig -----
```

Should i compile a new open-vz kernel? How?

Link to ite homepage: [http://www.ite.com.tw/software\\_download/software\\_download2.asp#IT8212%20ATA133%20Controller](http://www.ite.com.tw/software_download/software_download2.asp#IT8212%20ATA133%20Controller)

thanks  
stefan

## File Attachments

1) [dmesg-2.6.15-1.1831\\_FC4.txt](#), downloaded 437 times

2) [dmesg-2.6.15-025stab014.1.txt](#), downloaded 427 times

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Subject: Re: IT8212 Module (P-ATA)  
Posted by [vaverin](#) on Wed, 01 Mar 2006 19:00:38 GMT  
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Hello Stefan,

try to use our default config, but replace string like  
# CONFIG\_BLK\_DEV\_IT821X is not set  
to  
CONFIG\_BLK\_DEV\_IT821X=y

Thank you,  
Vasily Averin

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Subject: Re: IT8212 Module (P-ATA)  
Posted by [slg2001](#) on Wed, 01 Mar 2006 20:52:28 GMT  
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Hi Averin,

thank you for your help, i changed it! Is anything else to do?  
Or must i compile the kernel with the new option? If it yes, HOW TO compile it?

thank you  
stefan

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Subject: Re: IT8212 Module (P-ATA)  
Posted by [vaverin](#) on Thu, 02 Mar 2006 06:47:19 GMT  
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Hello Stefan

I believe, easiest way is following:  
- download Source RPM ovzkernel-2.6.15-025stab014.1.src.rpm  
- install it by using  
rpm -ihv ovzkernel-2.6.15-025stab014.1.src.rpm  
- go to /usr/src/redhat/SOURCES directory and fix the config files: replace in  
kernel-2.6.15-025stab014-i686-enterprise.config.ovz  
kernel-2.6.15-025stab014-i686-smp.config.ovz  
kernel-2.6.15-025stab014-i686.config.ovz  
files string  
# CONFIG\_BLK\_DEV\_IT821X is not set

to  
CONFIG\_BLK\_DEV\_IT821X=y

- go to the /usr/src/redhat/SPEC directory and change kernel version in kernel-ovz.spec file:  
for example replace  
%define ksubrelease 1  
to  
%define ksubrelease 1.custom  
- use rpmbuild -bb kernel-ovz.spec. it will build 3 new ovzkernel rpm packages in  
/usr/src/redhat/RPMS/i686 directory.

Thank you,  
Vasily Averin

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Subject: Re: IT8212 Module (P-ATA)  
Posted by [slg2001](#) on Fri, 03 Mar 2006 07:03:33 GMT  
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Hi Averin,

thank you very much for your HELP!!  
The new Kernel works perfectly!!

nice day  
stefan

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