#### cpqarray. txt

This driver is for Compaq's SMART2 Intelligent Disk Array Controllers.

### Supported Cards:

This driver is known to work with the following cards:

- \* SMART (EISA)
- \* SMART-2/E (EISA)
- \* SMART-2/P
- \* SMART-2DH
- \* SMART-2SL
- \* SMART-221 \* SMART-3100ES
- \* SMART-3200
- \* Integrated Smart Array Controller
- \* SA 4200
- \* SA 4250ES
- \* SA 431
- \* RAID LC2 Controller

It should also work with some really old Disk array adapters, but I am unable to test against these cards:

- \* IDA
- \* IDA-2
- \* IAES

# EISA Controllers:

If you want to use an EISA controller you'll have to supply some modprobe/lilo parameters. If the driver is compiled into the kernel, must give it the controller's IO port address at boot time (it is not necessary to specify the IRQ). For example, if you had two SMART-2/E controllers, in EISA slots 1 and 2 you'd give it a boot argument like this:

smart2=0x1000, 0x2000

If you were loading the driver as a module, you'd give load it like this:

modprobe cpgarray eisa=0x1000, 0x2000

You can use EISA and PCI adapters at the same time.

### Device Naming:

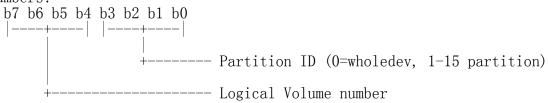
You need some entries in /dev for the ida device. MAKEDEV in the /dev directory can make device nodes for you automatically. The device setup is as follows:

Major numbers:

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```
72 ida0
73 ida1
74 ida2
75 ida3
76 ida4
77 ida5
78 ida6
79 ida7
```

# Minor numbers:



## The device naming scheme is:

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/dev/ida/c0d0	Controller 0,	disk 0,	whole device
/dev/ida/c0d0p1	Controller 0,	disk 0,	partition 1
/dev/ida/c0d0p2	Controller 0,	disk 0,	partition 2
/dev/ida/c0d0p3	Controller 0,	disk 0,	partition 3
/dev/ida/c1d1	Controller 1,	disk 1.	whole device
	.,		
/dev/ida/cldlp1	Controller 1,		
		disk 1,	partition 1
/dev/ida/cldlp1	Controller 1,	disk 1, disk 1,	partition 1 partition 2

## Changelog:

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10-28-2004: General cleanup, syntax fixes for in-kernel driver version.

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