NAME

arcmsr - Areca RAID Controller driver

SYNOPSIS

To compile this driver into the kernel, place the following lines in your kernel configuration file:

device pci device scbus device da device arcmsr

Alternatively, to load the driver as a module at boot time, place the following line in loader.conf(5):

arcmsr_load="YES"

DESCRIPTION

The **arcmsr** driver provides support for the Areca ARC-11xx, ARC-12xx, ARC-13xx, ARC-16xx and ARC-18xx series of SAS and SATA RAID controllers. These controllers feature RAID-0, 1, 3, 5, 6, and 10 and JBOD acceleration for up to 16 SATA drives. RAID level and stripe level migration, online capacity expansion, hot insertion/removal, automatic failover and rebuild, and SMART are also supported. Access to the arrays is provided via the SCSI CAM /*dev/da*? device nodes. A management interface is also present via the /*dev/arcmsr*? device node. Management tools for i386 and amd64 are available from Areca.

HARDWARE

The **arcmsr** driver supports the following cards:

- ARC-1110
- ARC-1120
- ARC-1130
- ARC-1160
- ARC-1170
- ARC-1110ML
- ARC-1120ML
- ARC-1130ML
- ARC-1160ML
- ARC-1200
- ARC-1201
- ARC-1203
- ARC-1210

- ARC-1212
- ARC-1213
- ARC-1214
- ARC-1216
- ARC-1220
- ARC-1222
- ARC-1223
- ARC-1224
- ARC-1226
- ARC-1230
- ARC-1231
- ARC-1260
- ARC-1261
- ARC-1270
- ARC-1280
- ARC-1210ML
- ARC-1220ML
- ARC-1231ML
- ARC-1261ML
- ARC-1280ML
- ARC-1380
- ARC-1381
- ARC-1680
- ARC-1681
- ARC-1880
- ARC-1882
- ARC-1883
- ARC-1884
- ARC-1886

FILES

/*dev/da*? Array block device /*dev/arcmsr*? Management interface

SEE ALSO

da(4), scbus(4)

HISTORY

The arcmsr driver first appeared in FreeBSD 5.4.

AUTHORS

The driver was written by Erich Chen <*erich@areca.com.tw*>.

BUGS

The driver has been tested on i386 and amd64. It likely requires additional work to function on bigendian architectures.