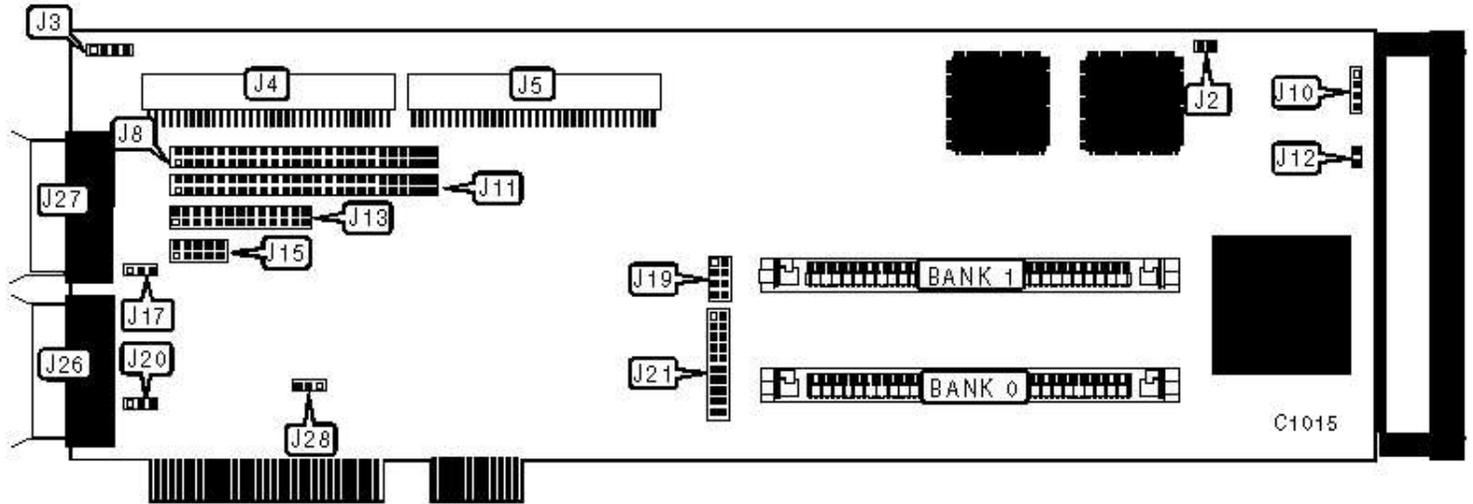


AMERICAN MEGATRENDS, INC.

418 MEGARAID (2-CHANNEL VERSION)

428 MEGARAID (2-CHANNEL VERSION)

Processor	Intel i960CA RISC
Processor Speed	33MHz
Maximum Onboard Memory	128MB DRAM (MegaRaid 418 and 428)
	32MB DRAM (MegaRaid Ultra)
Hard Drives supported	Up to 30 SCSI-2 Wide and Fast devices
Floppy drives supported	None
I/O Options	Tone generator
Data Bus	32-bit PCI
Card Size	Full-length, full-height card
RAID levels supported	0,1,3,5,30 and 50



CONNECTIONS			
Function	Location	Function	Location
4-pin connector - auxiliary TermPOWER	J3	26--pin connector - fault bus	J13
68-pin SCSI channel 1 connector - internal	J4	9--pin serial port - internal (optional - not on all models)	J15
68-pin SCSI channel 2 connector - internal	J5	8-pin connector - cache battery backup	J19
	J8		J21

50-pin SCSI channel 1 connector - internal		20-pin connector - cache battery backup	
4-pin connector - drive active LED	J10	68-pin SCSI channel 2 connector - external	J26
50-pin SCSI channel 2 connector - internal	J11	68-pin SCSI channel 1 connector - external	J27
2-pin connector - dirty cache LED	J12		

USER CONFIGURABLE SETTINGS			
Function		Label	Position
»	PCI expansion BIOS enabled	J2	Closed
	PCI expansion BIOS disabled	J2	Open
»	Controller chipset is other than Intel Triton (see note below)	J28	Pins 1 & 2 closed
	Controller chipset is Intel Triton	J28	Pins 2 & 3 closed

Note: Jumper J28 is present on model 418 Rev. A only.

CHANNEL 1 TERMINATION POWER SETTINGS		
Setting		J20
»	TERMPower from PCI bus to Channel 1	1 & 2
	TERMPower from auxiliary power source to Channel 1	2 & 3
	TERMPower from SCSI bus to Channel 1	Open

CHANNEL 2 TERMINATION POWER SETTINGS		
Setting		J17
»	TERMPower from PCI bus to Channel 2	1 & 2
	TERMPower from auxiliary power source to Channel 2	2 & 3
	TERMPower from SCSI bus to Channel 2	Open

DRAM CONFIGURATION		

Size	Bank 0	Bank 1
4MB	(1) 1MB x 36	None
8MB	(1) 1MB x 36	(1) 1MB x 36
16MB	(1) 4MB x 36	None
32MB	(1) 4MB x 36	(1) 4MB x 36
64MB	(1) 16MB x 36	None
128B	(1) 16MB x 36	(1) 16MB x 36

Note: The maximum cache on the MegaRaid Ultra is 32MB.