

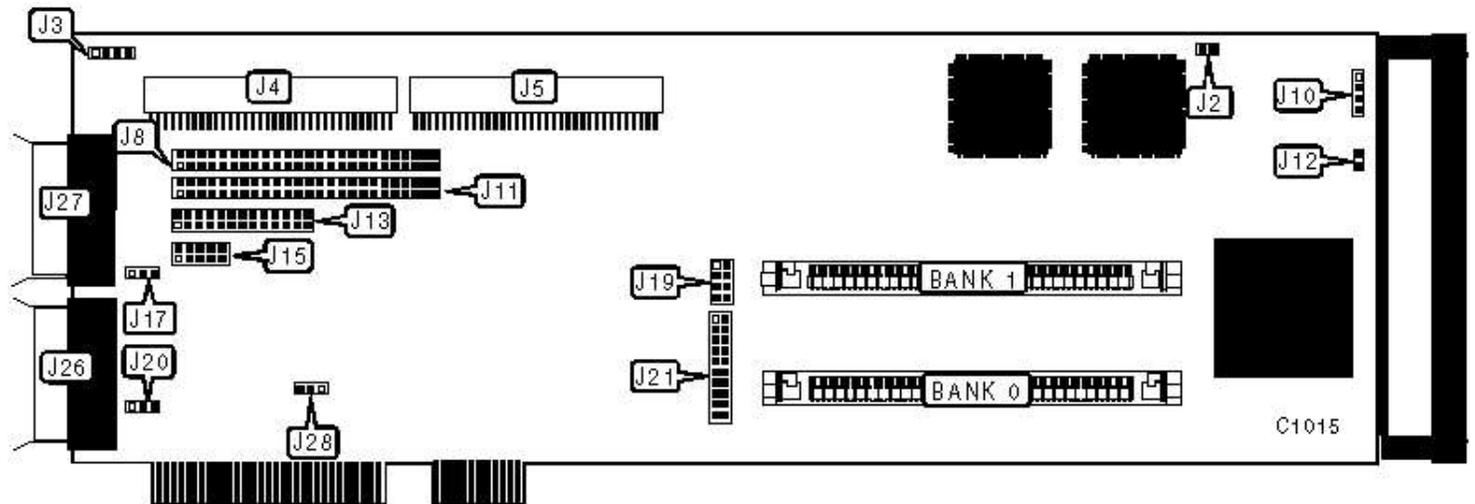
AMERICAN MEGATRENDS, INC.

418 MEGARAID (2-CHANNEL VERSION)

428 MEGARAID (2-CHANNEL VERSION)

MEGARAID ULTRA

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.