

APPENDIX A

SUMMARY OF MYRINET CHARACTERISTICS

The following are architectural and performance characteristics for the Myrinet LANai 4 and 9 NI cards utilized in this work.

Feature	LANai 4	LANai 9B
NI Clock Frequency	33 MHz	133 MHz
NI Memory	1 MB	2 MB
NI PCI Interface	32b/33MHz	32-64b/33-66MHz
SAN Interface	SAN-1280	SAN-1280/M2000

Operation		Min/Max	LANai 4	LANai 9B
PCI DMA time		Min	2 μ s	2 μ s
SAN DMA time		Min	3 μ s	1 μ s
Interrupt service time		Min	6.5 μ s	6 μ s
On-card memory copy bandwidth		Max	19 MB/s	66 MB/s
PCI Bandwidth	32b/33MHz	Max	131 MB/s	132 MB/s
	64b/66MHz		-	303 MB/s
SAN Bandwidth	SAN-1280	Max	132 MB/s	149 MB/s
	M2000		-	200 MB/s
Scan N logical channel data structures	1	Min	1 μ s	0.5 μ s
	8		5.5 μ s	1.5 μ s
	16		9 μ s	3 μ s