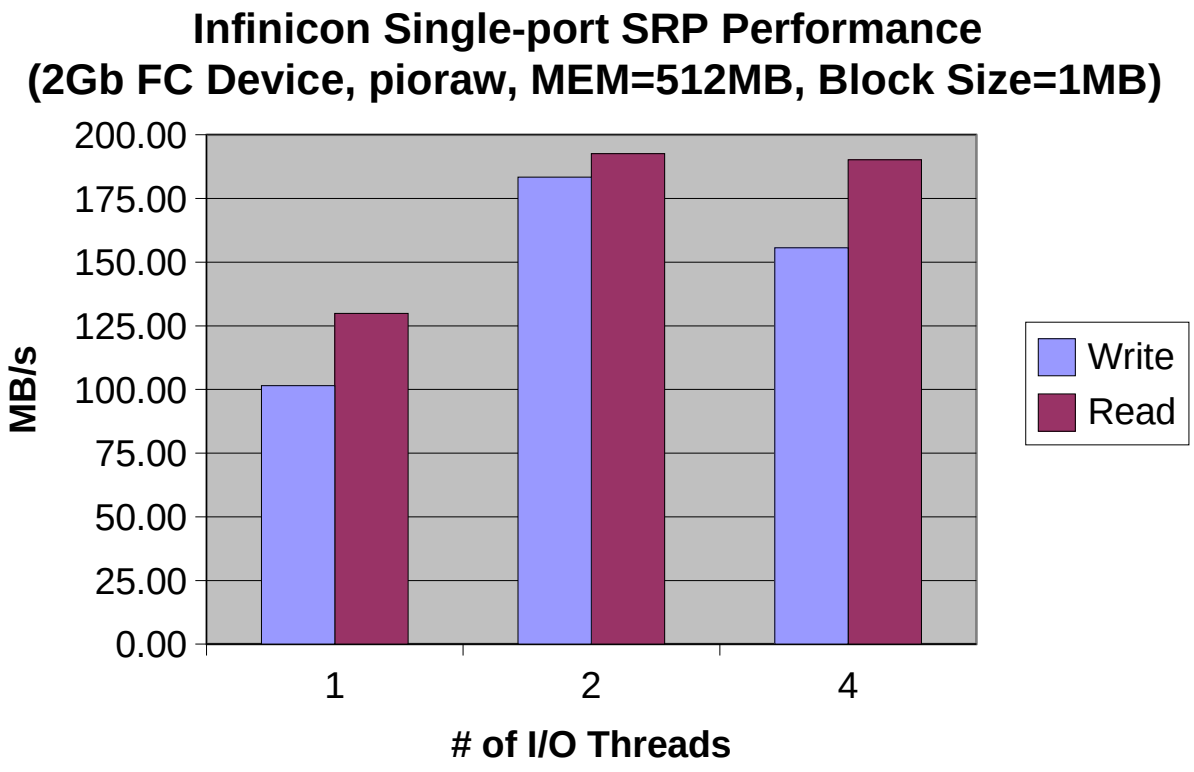
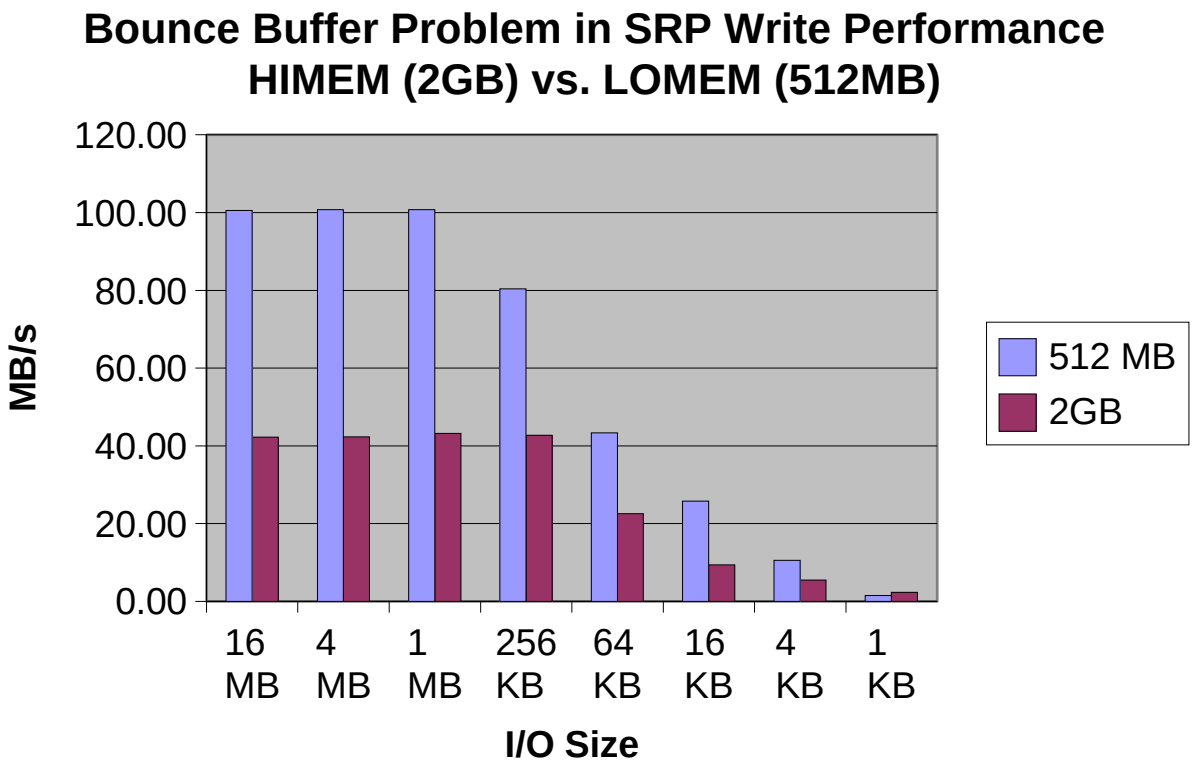
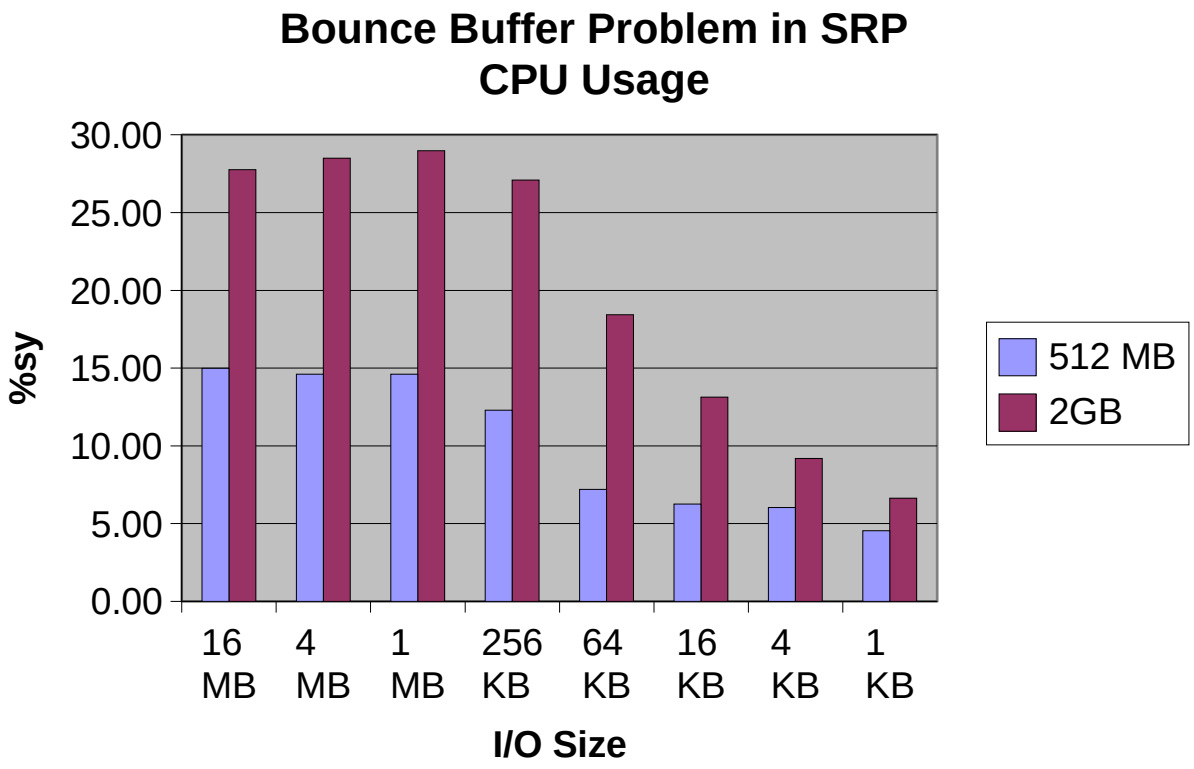
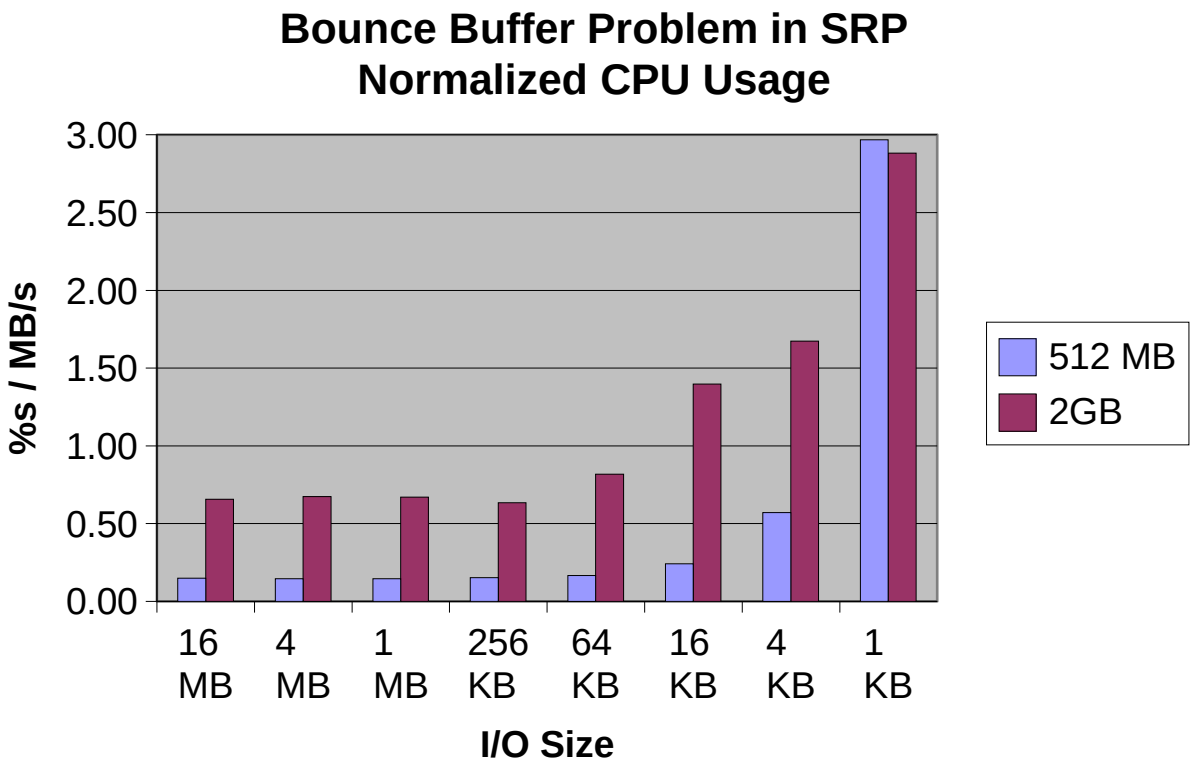

Infinicon Single-port SRP Performance
(2Gb FC Device, pioraw, MEM=512MB, Block Size=1MB)
MB/s
200.00
175.00
150.00
125.00
100.00
75.00
50.00
25.00
0.00
1
2
4
# of I/O Threads
Write
Read


Bounce Buffer Problem in SRP Write Performance
HIMEM (2GB) vs. LOMEM (512MB)
MB/s
120.00
100.00
80.00
60.00
40.00
20.00
0.00
16 MB
4 MB
1 MB
256 KB
64 KB
16 KB
4 KB
1 KB
I/O Size
512 MB
2GB


Bounce Buffer Problem in SRP
CPU Usage
%sy
30.00
25.00
20.00
15.00
10.00
5.00
0.00
16 MB
4 MB
1 MB
256 KB
64 KB
16 KB
4 KB
1 KB
I/O Size
512 MB
2GB


Bounce Buffer Problem in SRP
Normalized CPU Usage
%s / MB/s
3.00
2.50
2.00
1.50
1.00
0.50
0.00
16 MB
4 MB
1 MB
256 KB
64 KB
16 KB
4 KB
1 KB
I/O Size
512 MB
2GB

InfiniCon SRP Performance
Date: October 2003
Single-port SRP Performance

Max File Size = 256 MB
Block Size: 1024 KB
Test: PIORAW
Memory Size: 512 MB

SRP Performance:

PIORAW Results (1 T, BS=1MB)		
# of PE	Write	Read
1	101.52	129.87
2	183.40	192.62
4	155.66	190.23

Bounced Buffer Problem in SRP Performance:

SRP Performance (Write, T1)		
I/O Size	512 MB	2GB
16 MB	100.53	42.26
4 MB	100.76	42.31
1 MB	100.73	43.21
256 KB	80.36	42.69
64 KB	43.33	22.55
16 KB	25.79	9.40
4 KB	10.54	5.49
1 KB	1.53	2.30

Average CPU Usage		
I/O Size	512 MB	2GB
16 MB	14.98	27.77
4 MB	14.60	28.50
1 MB	14.60	28.97
256 KB	12.29	27.10
64 KB	7.19	18.42
16 KB	6.25	13.13
4 KB	6.02	9.18
1 KB	4.54	6.63

Normalized CPU Usage		
I/O Size	512 MB	2GB
16 MB	0.15	0.66
4 MB	0.14	0.67
1 MB	0.14	0.67
256 KB	0.15	0.63
64 KB	0.17	0.82
16 KB	0.24	1.40
4 KB	0.57	1.67
1 KB	2.97	2.88