



**Cube
systems**

SAM440ep



Power for your embedded ideas.

Sam440EP, 667 Mhz, 512 Mb
running the Stream benchmark under Linux 2.6.19

`/usr/checkbench/stream # ./stream_d`

This system uses 8 bytes per DOUBLE PRECISION word.

Array size = 2000000, Offset = 0
Total memory required = 45.8 MB.
Each test is run 10 times, but only
the *best* time for each is used.

Your clock granularity/precision appears to be 1 microseconds.
Each test below will take on the order of 104276 microseconds.
(= 104276 clock ticks)
Increase the size of the arrays if this shows that you are not getting at least 20 clock ticks per test.

WARNING -- The above is only a rough guideline.
For best results, please be sure you know the precision of your system timer.

Function	Rate (MB/s)	RMS time	Min time	Max time
Copy:	285.7041	0.1121	0.1120	0.1121
Scale:	270.4713	0.1184	0.1183	0.1185
Add:	256.4075	0.1873	0.1872	0.1875
Triad:	250.5925	0.1916	0.1915	0.1918