SPEC CINT95 Results

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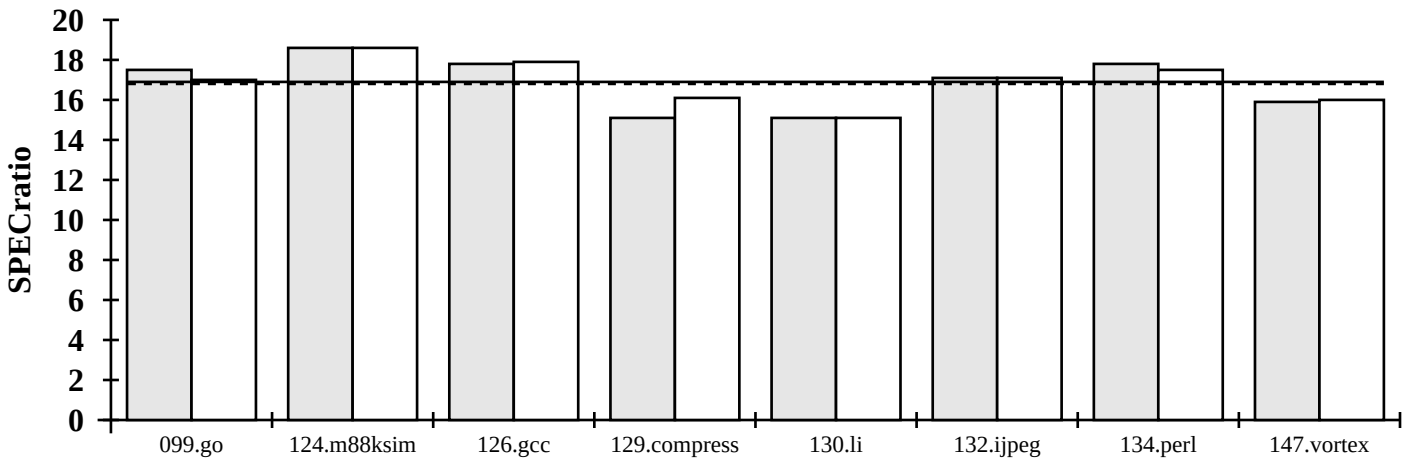
Digital Equipment Corporation
AlphaServer 4100 5/533

SPECint95 = 16.9

SPECint_base95 = 16.8

SPEC license # 2	Tested By: Digital NH	Test Date: Feb-98	Hardware Avail: Oct-97	Software Avail: Jan-98



Hardware/Software Configuration for:
AlphaServer 4100 5/533

Hardware

Model Name:	AlphaServer 4100 5/533
CPU:	533 MHz 21164
FPU:	Integrated
Number of CPU(s):	1
Primary Cache:	8KB(I)+8KB(D) on chip
Secondary Cache:	96KB (I+D) on chip
Other Cache:	4MB (I+D) off chip
Memory:	6GB
Disk Subsystem:	RZ29B 4GB
Other Hardware:	Ethernet

Software

Operating System:	Windows NT V4.0 Server
Compiler:	Visual C++ V5.0 SPIKE 1.1 (build 186)
File System:	FAT
System State:	Default

Benchmark # and Name	Reference Time	Base Run Time	Base SPEC Ratio	Run Time	SPEC Ratio
099.go	4600	264	17.5	271	17.0
124.m88ksim	1900	102	18.6	102	18.6
126.gcc	1700	95.7	17.8	95	17.9
129.compress	1800	119	15.1	111	16.1
130.li	1900	126	15.1	126	15.1
132.ijpeg	2400	140	17.1	140	17.1
134.perl	1900	107	17.8	109	17.5
147.vortex	2700	169	15.9	169	16.0
SPECint_base95 (G. Mean)			16.8		
		SPECint95 (G. Mean)			16.9

Notes/Tuning Information

```
Compiler: scc    Baseline: -arch:ev56 -fast -profile_accuracy:low *spk

go: -arch:ev56 -Ox
gcc, m88ksim, perl, vortex: same as baseline plus -QAgq
compress: -arch:ev56 -Ox -Gs -Ob4
li, ijpeg: same as baseline plus -Gs

*spk means spike feedback:
PASS1 = -prof_gen_spike -prof_dir:c:\tmp\prof
PASS2 = -prof_use_spike -prof_dir:c:\tmp\prof

Portability:  m88ksim: -DLEHOST -DNT getopt.obj li: setargv.obj ijpeg:-DMSDOS
perl:-DI_TIME -DMSDOS -D__STDC__=0 gcc: EXTRA_CFLAGS = -w -D__TURBOC__-D_MSDOS
-D__STDC__=0 -DONLY_INT_FIELDS=0 -Dalloca=_alloca -DDeleteFile=unlink
```

For More Information Contact: SPEC info@spec.org http://www.spec.org/

-- Prepared By: --