CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

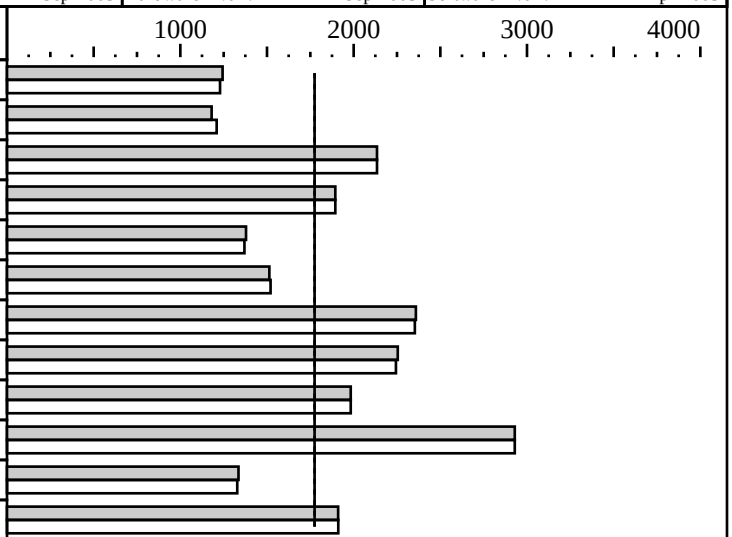
Supermicro
X6DH3-G2 Motherboard

SPECint2000 = 1775

SPECint_base2000 = 1775

SPEC license #01176 | Tested by: Supermicro | Test date: Sep-2005 | Hardware Avail: Sep-2005 | Software Avail: Apr-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	113	1244	114	1229
175.vpr	1400	119	1180	116	1210
176.gcc	1100	51.5	2135	51.5	2135
181.mcf	1800	95.0	1894	95.0	1894
186.crafty	1000	72.5	1379	73.0	1370
197.parser	1800	119	1514	118	1521
252.eon	1300	55.1	2359	55.3	2353
253.perlbmk	1800	79.8	2254	80.2	2244
254.gap	1100	55.5	1983	55.5	1983
255.vortex	1900	64.9	2929	64.9	2929
256.bzip2	1500	112	1336	113	1328
300.twolf	3000	157	1910	157	1911



Hardware

CPU:	Intel Xeon Processor (3.80 GHz, 2MB L2, 800 MHz bus)
CPU MHz:	3800
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (Hyper-Threading Technology Disabled)
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	12k micro-ops I + 16KBD on chip
Secondary Cache:	2048KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8 x 2.0GB SMART DDR2 400MHz ECC
Disk Subsystem:	1 X 250GB Western Digital WD2500JD-00GBB0 SATA HDD
Other Hardware:	N/A

Software

Operating System:	Windows Server 2003 EE SP1
Compiler:	Intel C++ Compiler 9.0 Build 20050430Z (32-bit) Microsoft Visual Studio .Net 2003(for libraries) SmartHeap Library Version 7.4 from http://www.microquill.com/
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Base tuning for C programs:   -fast +FDO shlW32M.lib
Base tuning for C++ programs: -fast -Qcxx_features +FDO shlW32M.lib
shlW32M.lib is the SmartHeap Library
Portability flags:
176.gcc: -Dalloca=_alloca /F10000000
186.crafy: -DNT_i386
252.eon:   Approved stdcpp src.alt used
253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
Peak tuning:
164.gzip:     -fast -Qansi_alias -Oa  +FDO
175.vpr:      -fast -Qansi_alias +FDO
176.gcc:      basepeak=yes
181.mcf:      basepeak=yes
186.crafty:   -fast -Qansi_alias -Oa +FDO
197.parser:   -fast -Qansi_alias  +FDO
252.eon:      -fast +FDO
253.perlbmk:  -fast -Qansi_alias +FDO shlW32M.lib
254.gap:      basepeak=yes
```

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Notes/Tuning Information (Continued)

```
255.vortex    basepeak=yes
256.bzip2:   -fast -Oa -Qunroll1 +FDO
300.twolf:    -fast -O3 +FDO shlW32M.lib
New 32-bt Windows tools used, approved in May-2005
Tested system was built with SC823T-R500RC Chassis.
Product description located as of:
http://www.supermicro.com/products/motherboard/Xeon800/E7520/X6DH3-G2.cfm
The system bus runs at 800MHz
```