



CINT2000 Result

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Supermicro X6DVA-4G2 Motherboard

SPECint2000 = 1771
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	1000 2000 3000 4000			
164.gzip	1400	112	1249	114	1227	[Bar chart showing ratio 1227]			
175.vpr	1400	117	1192	116	1205	[Bar chart showing ratio 1205]			
176.gcc	1100	52.1	2113	52.1	2113	[Bar chart showing ratio 2113]			
181.mcf	1800	97.7	1842	97.7	1842	[Bar chart showing ratio 1842]			
186.crafty	1000	72.3	1383	72.8	1375	[Bar chart showing ratio 1375]			
197.parser	1800	118	1523	118	1523	[Bar chart showing ratio 1523]			
252.eon	1300	54.9	2366	55.1	2360	[Bar chart showing ratio 2360]			
253.perlbnk	1800	79.5	2265	80.0	2249	[Bar chart showing ratio 2249]			
254.gap	1100	55.3	1988	55.3	1988	[Bar chart showing ratio 1988]			
255.vortex	1900	64.8	2934	64.8	2934	[Bar chart showing ratio 2934]			
256.bzip2	1500	112	1334	113	1328	[Bar chart showing ratio 1328]			
300.twolf	3000	157	1917	156	1917	[Bar chart showing ratio 1917]			

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: 6 x 2.0GB SMART DDR2 400MHz ECC
Disk Subsystem: 250GB Maxtor YAR51HWO 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.perlbnk: -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.perlbnk: -fast -Qansi_alias +FDO shlw32M.lib
254.gap: basepeak=yes
```



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Notes/Tuning Information (Continued)

255.vortex basepeak=yes
256.bzip2: -fast -Oa -Qunroll1 +FDO
300.twolf: -fast -O3 +FDO shlw32M.lib
New 32-bit Windows tools used, approved in May-2005
Tested system was built with SC811S-420 Chassis.
Product description located as of:
<http://www.supermicro.com/products/motherboard/Xeon800/E7320/X6DVA-4G2.cfm>
The system bus runs at 800MHz