



CINT2000 Result

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Fujitsu Siemens Computers
CELSIUS M440, Intel dual-core Pentium D 840

SPECint2000 = **1486**
SPECint_base2000 = **1484**

SPEC license #: 22 Tested by: Fujitsu Siemens Computers Test date: Nov-2005 Hardware Avail: Jul-2005 Software Avail: Sep-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	131	1068	131	1066	
175.vpr	1400	148	949	145	967	
176.gcc	1100	61.2	1796	61.7	1783	
181.mcf	1800	126	1430	126	1434	
186.crafty	1000	84.4	1185	84.5	1184	
197.parser	1800	142	1264	142	1266	
252.eon	1300	64.6	2014	64.6	2014	
253.perlbmk	1800	94.1	1913	94.1	1913	
254.gap	1100	62.3	1767	61.8	1779	
255.vortex	1900	74.8	2539	74.8	2539	
256.bzip2	1500	140	1068	140	1068	
300.twolf	3000	189	1586	190	1578	

Hardware

CPU: Intel dual-core Pentium D processor 840
CPU MHz: 3200
FPU: Integrated
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
CPU(s) orderable: 1
Parallel: No
Primary Cache: 12k micro-ops I + 16KBD on chip, per core
Secondary Cache: 1024KB(I+D) on chip, per core
L3 Cache: N/A
Other Cache: N/A
Memory: 4 GB (4x1 GB DDR2-533, 2rank, CL4-4-4, with ECC)
Disk Subsystem: Serial ATA 7200 rpm
Other Hardware:

Software

Operating System: Windows XP Professional, Service Pack 2
Compiler: Intel(R) C++ Compiler for 32-bit app., Version 9.0, - Build 20050912Z Package ID: W_CC_C_9.0.024
Microsoft Visual Studio .NET 2003 (for libraries)
MicroQuill SmartHeap Library 7.4
File System: NTFS
System State: Default

Notes/Tuning Information

Portability flags:

176.gcc: -Dalloca=_alloca /F10000000
186.crafty: -DNT_i386
253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO

Feedback optimization:

+FDO: PASS1= -Qprof_gen PASS2= -Qprof_use

Baseline Tuning Flags:

for C programs:
-fast +FDO shlw32M.lib
for C++ program 252.eon:
-fast -Qcxx_features +FDO

Peak Tuning Flags:

164.gzip: -fast +FDO
175.vpr: -fast +FDO
176.gcc: -fast +FDO
181.mcf: -fast +FDO shlw32M.lib



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Notes/Tuning Information (Continued)

```
186.crafty: -fast +FDO
197.parser: -fast +FDO
252.eon: -fast -Qcxxx_features +FDO
253.perlbnk: -fast +FDO shlW32M.lib
254.gap: -fast +FDO
255.vortex -fast +FDO shlW32M.lib
256.bzip2: -fast +FDO
300.twolf: -fast +FDO shlW32M.lib
```

Extra Libraries:

```
shlW32M.lib = Microquill SmartHeap Library 7.4
see www.microquill.com
```

The system bus runs at 800 MHz

For information about Fujitsu Siemens Computers in your country please see:
<http://www.fujitsu-siemens.com/countries>