



# CINT2000 Result

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## Fujitsu Egypt Ghost Challenger

SPECint2000 = 1753  
SPECint\_base2000 = 1708

SPEC license #: 3208 Tested by: Nordix Computer Corporation Test date: Apr-2006 Hardware Avail: May-2006 Software Avail: Nov-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
164.gzip	1400	117	1192	118	1189	[Bar chart showing ratio]			
175.vpr	1400	116	1202	116	1202	[Bar chart showing ratio]			
176.gcc	1100	52.9	2078	52.4	2101	[Bar chart showing ratio]			
181.mcf	1800	94.4	1906	93.5	1925	[Bar chart showing ratio]			
186.crafty	1000	74.7	1339	74.7	1339	[Bar chart showing ratio]			
197.parser	1800	121	1485	121	1485	[Bar chart showing ratio]			
252.eon	1300	57.3	2267	57.1	2278	[Bar chart showing ratio]			
253.perlbmk	1800	94.5	1905	84.6	2128	[Bar chart showing ratio]			
254.gap	1100	56.4	1950	56.4	1950	[Bar chart showing ratio]			
255.vortex	1900	67.8	2802	61.3	3099	[Bar chart showing ratio]			
256.bzip2	1500	117	1277	109	1373	[Bar chart showing ratio]			
300.twolf	3000	165	1814	165	1822	[Bar chart showing ratio]			

### Hardware

CPU: Intel(R) Pentium(R) 4 processor 660( 3.6 GHz, 800 MHz bus)  
CPU MHz: 3600  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip  
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: 512 MB (2x256 MB DDRII 533)  
Disk Subsystem: 1 x 80 GB HDD SATA  
Other Hardware: None

### Software

Operating System: Windows XP Professional Edition SP2  
Compiler: Intel(R) C++ Compiler 9.0 (32-bit) Build 20051130Z  
Microsoft Visual Studio .Net 2003(for libraries)  
MicroQuill SmartHeap Library Version 8  
from <http://www.microquill.com/>  
File System: NTFS  
System State: Default

## Notes/Tuning Information

### Portability flags:

176.gcc: -Dalloca=\_alloca /F10000000  
186.crafy: -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:

C: -QxN -Qipo -O3 +FDO  
C++: -fast -Qcxx\_features -O3 +FDO

### Peak Tuning Flags:

164.gzip: -QxN -Qipo -O3 +FDO shlW32M.lib  
175.vpr: basepeak=yes  
176.gcc: -fast shlW32M.lib  
181.mcf: -fast -Qansi\_alias -Oa +FDO shlW32M.lib  
186.crafty: -QxP -O3 -Qipo +FDO shlW32M.lib  
197.parser: basepeak=yes



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## Notes/Tuning Information (Continued)

```
252.eon:      -fast -O3 +FDO
253.perlbnk:  -fast -Qansi_alias +FDO shlw32M.lib
254.gap:      basepeak=yes
255.vortex:   -fast -O3 -Qansi_alias +FDO
256.bzip2:    -QxP -Qipo -Oa -Qunroll1 +FDO
300.twolf:    -fast -O3 -Qipo +FDO
```