## Asus Computer International

### Asus G2S (Intel Core 2 Duo T7700)

<table>
<thead>
<tr>
<th>SPECint&lt;sup&gt;®&lt;/sup&gt;2006</th>
<th>17.3</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPECint&lt;sub&gt;base&lt;/sub&gt;2006</td>
<td>15.5</td>
</tr>
</tbody>
</table>

**CPU2006 license:** 13  
**Test date:** Jun-2007  
**Hardware Availability:** Jun-2007  
**Test sponsor:** Intel Corporation  
**Software Availability:** May-2007

### Hardware

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specified Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPU Name:</td>
<td>Intel Core 2 Duo T7700</td>
</tr>
<tr>
<td>CPU Characteristics:</td>
<td>2.40 GHz, 4MB L2, 800 MHz Bus</td>
</tr>
<tr>
<td>CPU MHz:</td>
<td>2400</td>
</tr>
<tr>
<td>FPU:</td>
<td>Integrated</td>
</tr>
<tr>
<td>CPU(s) enabled:</td>
<td>2 cores, 1 chip, 2 cores/chip</td>
</tr>
<tr>
<td>CPU(s) orderable:</td>
<td>1 chip</td>
</tr>
<tr>
<td>Primary Cache:</td>
<td>32 KB I + 32 KB D on chip per core</td>
</tr>
<tr>
<td>Secondary Cache:</td>
<td>4 MB I+D on chip per chip</td>
</tr>
<tr>
<td>L3 Cache:</td>
<td>None</td>
</tr>
<tr>
<td>Other Cache:</td>
<td>None</td>
</tr>
<tr>
<td>Memory:</td>
<td>2 GB (2x1GB Hynix DDR2-667 CL5)</td>
</tr>
<tr>
<td>Disk Subsystem:</td>
<td>160GB Hitachi SATA, 5400RPM</td>
</tr>
<tr>
<td>Other Hardware:</td>
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</table>

### Software

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specified Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating System:</td>
<td>Windows Vista32 Ultimate</td>
</tr>
<tr>
<td>Compiler:</td>
<td>Intel C++ Compiler for IA32 version 10.0 Build 20070426 Package ID: W_CC_P_10.0.025</td>
</tr>
<tr>
<td>Auto Parallel:</td>
<td>No</td>
</tr>
<tr>
<td>File System:</td>
<td>NTFS</td>
</tr>
<tr>
<td>System State:</td>
<td>Default</td>
</tr>
<tr>
<td>Base Pointers:</td>
<td>32-bit</td>
</tr>
<tr>
<td>Peak Pointers:</td>
<td>32-bit</td>
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<tr>
<td>Other Software:</td>
<td>None</td>
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<tr>
<td>SmartHeap Library Version:</td>
<td>8.0 from <a href="http://www.microquill.com/">http://www.microquill.com/</a></td>
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info@spec.org  
http://www.spec.org/
## Results Table

<table>
<thead>
<tr>
<th>Benchmark</th>
<th>Seconds</th>
<th>Ratio</th>
<th>Seconds</th>
<th>Ratio</th>
<th>Seconds</th>
<th>Ratio</th>
<th>Seconds</th>
<th>Ratio</th>
<th>Seconds</th>
<th>Ratio</th>
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<tbody>
<tr>
<td>400.perlbench</td>
<td>576</td>
<td>17.0</td>
<td>576</td>
<td>17.0</td>
<td>576</td>
<td>16.9</td>
<td>502</td>
<td>19.5</td>
<td>501</td>
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<tr>
<td>401.bzip2</td>
<td>760</td>
<td>12.7</td>
<td>764</td>
<td>12.6</td>
<td>769</td>
<td>12.6</td>
<td>733</td>
<td>13.2</td>
<td>733</td>
<td>13.2</td>
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<tr>
<td>403.gcc</td>
<td>823</td>
<td>9.78</td>
<td>816</td>
<td>9.86</td>
<td>830</td>
<td>9.70</td>
<td>521</td>
<td>15.4</td>
<td>503</td>
<td>16.0</td>
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<td>445.gobmk</td>
<td>664</td>
<td>15.8</td>
<td>664</td>
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<tr>
<td>456.hmmer</td>
<td>744</td>
<td>12.5</td>
<td>744</td>
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<tr>
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<td>14.2</td>
<td>852</td>
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<tr>
<td>462.libquantum</td>
<td>998</td>
<td>20.8</td>
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<tr>
<td>464.h264ref</td>
<td>909</td>
<td>24.3</td>
<td>909</td>
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<td>471.omnetpp</td>
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<td>12.9</td>
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<tr>
<td>483.xalanbmk</td>
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<td>367</td>
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<td>18.8</td>
<td>364</td>
<td>18.9</td>
<td>364</td>
<td>19.0</td>
</tr>
</tbody>
</table>

Results appear in the order in which they were run. Bold underlined text indicates a median measurement.

## General Notes

The system bus runs at 667 MHz

System was configured with an nVIDIA 8600M GT graphics card

Binaries were built on Windows XP Professional SP2

## Base Compiler Invocation

C benchmarks:  
```bash
icl -Qvc7.1 -Qc99
```

C++ benchmarks:  
```bash
icl -Qvc7.1
```

## Base Portability Flags

403.gcc: -DSPEC_CPU_WIN32  
464.h264ref: -DSPEC_CPU_NO_INTTYPES -DWIN32

## Base Optimization Flags

C benchmarks:  
```bash
-fast /F512000000 shlw32m.lib  
-link /FORCE:MULTIPLE
```

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SPEC CINT2006 Result

ASUS Computer International
(Test Sponsor: Intel Corporation)

Asus G2S (Intel Core 2 Duo T7700)

SPECint2006 = 17.3
SPECint_base2006 = 15.5

CPU2006 license: 13
Test sponsor: Intel Corporation
Tested by: Intel Corporation

Test date: Jun-2007
Hardware Availability: Jun-2007
Software Availability: May-2007

Base Optimization Flags (Continued)

C++ benchmarks:
- fast -Qcxx_features /F512000000 shlw32m.lib
- link /FORCE:MULTIPLE

Base Other Flags

C benchmarks:
403.gcc: -Dalloca=_alloca

Peak Compiler Invocation

C benchmarks:
icl -Qvc7.1 -Qc99
C++ benchmarks:
icl -Qvc7.1

Peak Portability Flags

403.gcc: -DSPEC_CPU_WIN32
464.h264ref: -DSPEC_CPU_NO_INTTYPES -DWIN32

Peak Optimization Flags

C benchmarks:
400.perlbench: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qansi-alias -Qprefetch /F512000000 shlw32m.lib
- link /FORCE:MULTIPLE
401.bzip2: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast /F512000000 shlw32m.lib
- link /FORCE:MULTIPLE
403.gcc: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast /F512000000
- link /FORCE:MULTIPLE
429.mcf: basepeak = yes
445.gobmk: -Qprof_gen(pass 1) -Qprof_use(pass 2) -QxT -O2 -Qipo
- Qprec_div- -Qansi-alias /F512000000
- link /FORCE:MULTIPLE

Continued on next page
**SPEC CINT2006 Result**

ASUS Computer International  
(Test Sponsor: Intel Corporation)  

Asus G2S (Intel Core 2 Duo T7700)  

| SPECint2006 = | 17.3 |
| SPECint_base2006 = | 15.5 |

CPU2006 license: 13  
Test sponsor: Intel Corporation  
Tested by: Intel Corporation  
Test date: Jun-2007  
Hardware Availability: Jun-2007  
Software Availability: May-2007

**Peak Optimization Flags (Continued)**

456.hmmer:  
-\texttt{Qprof\_gen(pass 1)}  
-\texttt{Qprof\_use(pass 2)}  
-\texttt{fast}  
-\texttt{-Qunroll2}  
-\texttt{-Qansi-alias /F512000000 shlw32m.lib}  
-\texttt{-link /FORCE:MULTIPLE}

458.sjeng:  
-\texttt{Qprof\_gen(pass 1)}  
-\texttt{Qprof\_use(pass 2)}  
-\texttt{fast}  
-\texttt{-Qunroll4}  
-\texttt{-Qansi-alias /F512000000 shlw32m.lib}  
-\texttt{-link /FORCE:MULTIPLE}

462.libquantum:  
-\texttt{Qprof\_gen(pass 1)}  
-\texttt{Qprof\_use(pass 2)}  
-\texttt{fast}  
-\texttt{-Qunroll4}  
-\texttt{-Ob0}  
-\texttt{-Qprefetch}  
-\texttt{-Qopt\_streaming\_stores:always /F512000000 shlw32m.lib}  
-\texttt{-link /FORCE:MULTIPLE}

464.h264ref:  
Same as 456.hmmer

C++ benchmarks:  
-\texttt{Qprof\_gen(pass 1)}  
-\texttt{Qprof\_use(pass 2)}  
-\texttt{fast}  
-\texttt{-Qansi-alias}  
-\texttt{-Qcxx\_features /F512000000 shlw32m.lib}  
-\texttt{-link /FORCE:MULTIPLE}

**Peak Other Flags**

C benchmarks:  
\texttt{403.gcc: Dalloca=_alloca}

You can also download the XML flags source by saving the following link:  

The flags file that was used to format this result can be browsed at  

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