



CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

ION
A20 (Intel Xeon processor 5110, 1.6GHz)

SPECfp2000 = 1595
SPECfp_base2000 = 1595

SPEC license #: 2697 | Tested by: ION | Test date: Aug-2006 | Hardware Avail: Jul-2006 | Software Avail: Jul-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	60.4	2648	60.4	2648	
171.swim	3100	143	2166	143	2166	
172.mgrid	1800	170	1056	170	1056	
173.applu	2100	149	1411	149	1411	
177.mesa	1400	89.5	1564	89.5	1564	
178.galgel	2900	76.9	3772	76.9	3772	
179.art	2600	56.8	4581	56.8	4581	
183.quake	1300	72.8	1785	72.8	1785	
187.facerec	1900	119	1603	119	1603	
188.amp	2200	261	844	261	844	
189.lucas	2000	138	1454	138	1454	
191.fma3d	2100	167	1261	167	1261	
200.sixtrack	1100	173	637	173	637	
301.apsi	2600	246	1059	246	1059	

Hardware

CPU: Intel Xeon Processor 5110 (1066Mhz System Bus)
 CPU MHz: 1600
 FPU: Integrated
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
 CPU(s) orderable: 1,2 chips
 Parallel: No
 Primary Cache: 32KB(I) + 32KB(D) on chip, per core
 Secondary Cache: 4MB (I+D) on chip, per chip
 L3 Cache: None
 Other Cache: None
 Memory: 8 GB (8*1GB PC2 5300 FB-DIMMs)
 Disk Subsystem: 1 x 80GB SATA (Seagate ST380817AS Barracuda 7200rpm)
 Other Hardware: None

Software

Operating System: Red Hat Enterprise Linux ES 4 Update 3 for x86 (32-bit)
 Compiler: Intel(R) Fortran Compiler for 32-bit apps, V9.1 (Build 20060706Z)
 Intel(R) C++ Compiler for 32-bit apps, V9.1 (Build 20060706Z)
 File System: ext3
 System State: Multi-user

Notes/Tuning Information

Tested by ION Computer Systems
 BIOS 2.00 Build 54
 Enhanced SpeedStep Disabled in BIOS
 kernel 2.6.9-34.0.1.ELsmp
 +FDO: PASS1=-prof_gen PASS2=-prof_use

SPEC CFP2000 Baseline optimization flags
 C programs: -fast -ansi_alias +FDO
 Fortran programs: -fast +FDO
 +FDO: PASS1=-prof_gen PASS2=-prof_use

SPEC CFP2000 Peak optimization flags:
 basepeak=yes set globally

Portability Flags:
 178.galgel: -FI