Fujitsu Siemens Computers
PRIMERGY RX600 S3, Intel Xeon processor 7130M, 3.20 GHz

SPECfp_rate2000 = 96.6
SPECfp_rate_base2000 = 96.6

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**Hardware**

- **CPU:** Intel Xeon processor 7130M (3.20 GHz, 2x1MB L2, 8MB L3, 800 MHz system bus)
- **CPU MHz:** 3200
- **FPU:** Integrated
- **CPU(s) enabled:** 8 cores, 4 chips, 2 cores/chip (Hyper-Threading Technology disabled)
- **CPU(s) orderable:** 1,2,4 chips
- **Parallel:** No
- **Primary Cache:** 12k micro-ops(I) + 16KB(D) on chip, per core
- **Secondary Cache:** 1024KB(I+D) on chip, per core
- **L3 Cache:** 8MB on chip, per chip
- **Other Cache:** N/A
- **Memory:** 16x1GB DDRII-RAM PC2-3200R (CAS 3-3-3)
- **Disk Subsystem:** Fujitsu MAS3367NC (SCSI, 15krpm, 36GB)
- **Other Hardware:** none

**Software**

- **Operating System:** 64-Bit SUSE LINUX Enterprise Server 9 with SP3 Kernel 2.6.5-7.244-smp on an x86_64
- **Compiler:** Intel C++ and Fortran Compiler 9.0 for EM64T Build 20060120 (for 64-bit applications)
- **File System:** ext3
- **System State:** Multi-user run level 3

**Notes/Tuning Information**

**GENERAL**

+FDO implies feedback-directed optimization
PASS1: -prof_gen PASS2: -prof_use

**Optimization flags**
ONESTEP=yes set for all benchmarks

**Portability flags**
-DSPEC_CPU2000_LP64 applied to all benchmarks
178.galgel: -FI for fixed-format Fortran

**Base tuning flags**
for Fortran and C programs: -fast +FDO

**Peak tuning flags**
same as baseline (basepeak=true set globally)
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SPECfp_rate_base2000 = 96.6

Notes/Tuning Information (Continued)

The system bus runs at 800 MHz

This result was measured with 64-bit binaries using the 64-bit version of the operating system.

This result was measured on the PRIMERGY TX600 S3. The PRIMERGY TX600 S3 and the PRIMERGY RX600 S3 are electronically equivalent.

BIOS Configuration:
Adjacent Sector Prefetch = Disable

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