OMPM2001 Result

Hewlett-Packard Company

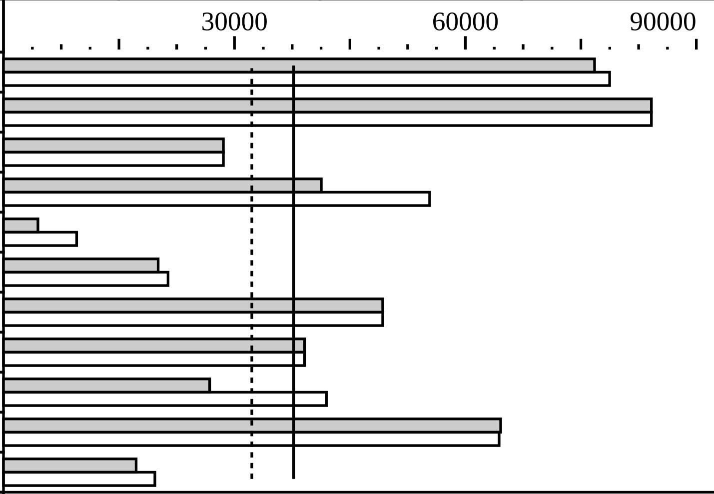
HP Integrity Superdome 64-way (1500 MHz Itanium 2)

SPECompMpeak2001 = 37685

SPECompMbase2001 = 32255

SPEC license #: HPG2116	Tested by: Hewlett-Packard Company	Test site: Richardson, Texas	Test date: Sep-2003	Hardware Avail: Oct-2003	Software Avail: Oct-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Peak Runtime	Peak Ratio
310.wupwise_m	6000	78.1	76779	76.2	78735
312.swim_m	6000	71.3	84163	71.3	84163
314.mgrid_m	7300	256	28563	256	28563
316.applu_m	4000	96.9	41283	72.3	55356
318.galgel_m	5100	1140	4474	537	9502
320.equake_m	2600	129	20092	122	21376
324.apsi_m	3400	69.0	49259	69.0	49259
326.gafort_m	8700	222	39103	222	39103
328.fma3d_m	4600	172	26781	110	41946
330.art_m	6400	99.1	64579	99.4	64380
332.ammp_m	7000	406	17230	356	19663



Hardware

CPU:	Intel Itanium 2
CPU MHz:	1500
FPU:	Integrated
CPU(s) enabled:	64
CPU(s) orderable:	6 to 64 by 2
Primary Cache:	L1 Inst/Data: 16 KB, associativity = 4
Secondary Cache:	L2 Unified: 256 KB, associativity = 8
L3 Cache:	L3 Unified: 6144 KB, associativity = 24
Other Cache:	None
Memory:	256GB (512 * 512MB DIMMs)
Disk Subsystem:	root disk 1x36 SCSI
Other Hardware:	--

Software

OpenMP Threads:	64
Parallel:	OpenMP
Operating System:	HPUX11i-TCOE B.11.23
Compiler:	HP C/ANSI C Compiler B.11.23 HP aC++ Compiler B.11.23 HP Fortran 90 Compiler B.11.23 HP LIBF90 PHSS_29620 HP F90 Compiler PHSS_29663
File System:	vxfs
System State:	Single-user

Notes/Tuning Information

```
User environment:
   MP_IDLE_THREADS_WAIT=-1
   OMP_FIRST_USE=0

Portability Flags:
  318.galgel: +source=fixed +extend_source

Base:
   F90  +Ofaster +DSitanium2 +Oopenmp
        +Oinfo +DD64 -minshared
   cc   +Ofaster +Oopenmp +DD64 +Oinfo +DSitanium2
        -minshared -AOe +Onofltacc
```