OMPM2001 Result

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Hewlett-Packard Company

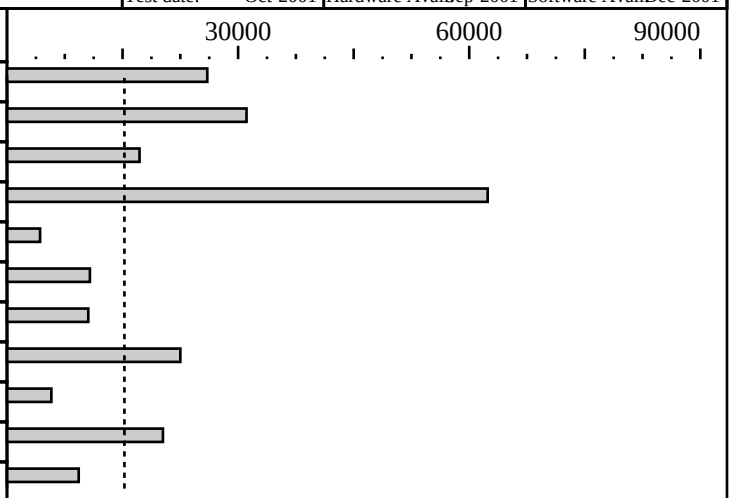
HP Superdome 64-way (750MHz PA-8700)

SPECompMpeak2001 = --

SPECompMbase2001 = 15243

SPEC license #: HPG2116 | Tested by: Hewlett-Packard Company | Test site: | Test date: Oct-2001 | Hardware Avail: Sep-2001 | Software Avail: Dec-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Peak Runtime	Peak Ratio
310.wupwise_m	6000	231	25997		
312.swim_m	6000	193	31093		
314.mgrid_m	7300	424	17203		
316.applu_m	4000	64.1	62395		
318.galgel_m	5100	1188	4293		
320.equake_m	2600	242	10763		
324.apsi_m	3400	322	10550		
326.gafort_m	8700	387	22501		
328.fma3d_m	4600	799	5759		
330.art_m	6400	316	20242		
332.ammp_m	7000	752	9308		



Hardware

CPU:	PA-8700
CPU MHz:	750
FPU:	Integrated
CPU(s) enabled:	64
CPU(s) orderable:	8 to 64
Primary Cache:	0.75MBI + 1.5MBD on chip
Secondary Cache:	None
L3 Cache:	None
Other Cache:	None
Memory:	256GB
Disk Subsystem:	5x9GB Fiberchannel (striped) 1x9GB SCSI disk (root), 28x9GB FC disks (swap)
Other Hardware:	16 cells

Software

OpenMP Threads:	64
Parallel:	--
Operating System:	B.11.11.0109 HP-UX Technical Computing OE Component
Compiler:	B3901BA B.11.11.04 HP C/ANSI C Developer's Bundle for HP-UX 11.i B3909DB B.11.11.43 HP Fortran 90 Compiler and associated products PHKL_24779 1.0 LVM Cumulative Patch PHCO_24584 1.0 Thread Local Storage, Psets Enablement Patch PHSS_23441 1.0 ld(1) and linker tools cumulative patch PHSS_23794 1.0 linker startup code / SLLIC ELF support PHSS_24382 1.0 LIBCL patch PHSS_25029 1.0 CPSlib Patch/Add OMP Support for 11.11 PHSS_25176 1.0 Fortran90 from B.11.01.40 to B.11.01.43
File System:	Advanced JFS
System State:	Multi-user

Notes/Tuning Information

```
User environment:
   OMP_NUM_THREADS=64
   CPS_STACK_SIZE=128
Base:
   All use   -Wl,-aarchive
   F90  +O3 +Oall +Onofltacc  +Oinfo  +Oopenmp  -Wl,+FPD -N
   cc   +Oall  +DA2.0W +Oopenmp +Oinfo
   cc_pass1  +I
   cc_pass2  +P +Ostatic_prediction
Portability: 318.galgel_m: +source=fixed +extend_source
```