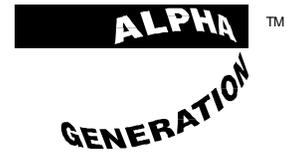




# Performance Flash

## Digital AlphaStation Family

### Digital UNIX



This document presents the industry-standard benchmark ratings for the Digital AlphaStation™ family members running the Digital UNIX® operating system.

	AlphaStation								
	200 4/166	255/ 233	255/ 300	500/ 266	500/ 333	500/ 400	500/ 500	600 5/266	600 5/333
Cache									
L1 Instruction/Data	8/8KB	16/16KB	16/16KB	8/8KB	8/8KB	8/8KB	8/8KB	8/8KB	8/8KB
L2	512KB	1MB	1MB	96KB	96KB	96KB	96KB	96KB	96KB
L3	----	----	----	2MB	2MB	2MB	8MB	4MB	4MB
<b>Benchmarks and Metrics</b>									
SPEC CINT95									
SPECint95	2.95	4.27	5.23	7.93	9.82	12.3	15.0	7.91	9.78
SPECint_base95	2.45	3.48	4.31	6.53	8.38	9.77	12.6	6.57	8.36
SPEC CFP95									
SPECfp95	3.64	5.09	5.81	11.1	12.5	14.1	20.4	11.8	13.4
SPECfp_base95	3.30	4.71	5.38	10.3	11.8	12.8	18.3	11.0	12.6
SPEC CINT95 Homogenous Capacity									
SPECint_rate95	26.5	38.4	47.1	71.4	88.4	111	135	71.2	88.0
SPECint_rate_base95	22.0	31.3	38.8	58.7	75.5	88.0	113	59.1	75.2
SPEC CFP95 Homogenous Capacity									
SPECfp_rate95	32.8	45.8	52.3	99.7	113	127	183	106	120
SPECfp_rate_base95	29.7	42.4	48.4	92.9	106	115	165	98.7	113
LINPACK									
64-bit Double-Precision									
100x100 MFLOPS	32.5	46.5	53.3	123.7	153.0	188.8	235.3	124.2	156.3
1000x1000 MFLOPS	99.6	162.0	196.1	323.6	375.8	450.5	590.3	343.4	421.6
DN&R Labs CPU2									
MVUPS	242	363	454	620	778	944	1,181	622	786
Dhrystone									
V1.1 instructions/sec	329,896	537,053	642,941	820,591	1,030,775	1,336,887	1,671,981	821,512	1,031,397
V2.1 instructions/sec	454,277	454,545	555,555	833,333	1,000,000	1,250,000	1,666,667	833,333	1,000,000
Whelstone									
Single-precision KWIPS	154.3	217.1	279.2	350.9	436.0	556.8	711.5	353.3	476.5
Double-precision KWIPS	135.9	239.4	305.8	453.4	569.2	674.1	846.8	455.4	569.2
Livermore Loops									
Geo. Mean MFLOPS	23.2	30.9	37.9	57.0	71.2	86.6	108.8	57.1	72.4

NR = Not Reported



## Performance Flash - Digital AlphaStation Family - Digital Unix

Digital evaluated the performance of the AlphaStation family using industry-standard benchmarks. These benchmarks allow comparisons across vendors' systems. Performance characterization is just one "data point" to be used in conjunction with other purchase criteria such as features, service, and price.

For more information on the SPEC benchmarks, see *The SPEC Newsletter*, published by the Standard Performance Evaluation Corporation, see <http://www.specbench.org/>.

For more information on Digital's AlphaStation family, contact your local Digital sales representative. Please send questions and comments about the information presented in this Graphics Performance Flash to Internet address: [csgperf@zko.dec.com](mailto:csgperf@zko.dec.com).

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