

HP e3000 Business Servers

System sales of HP e3000 servers ended on October 31, 2003. This information is provided for ongoing reference use while the 3000/MPE installed base steadily transitions to other computing platforms.

To provide assistance and flexibility that customers may require in these efforts, limited software and add-on hardware products remain available from HP through October 31, 2004. Full information on the HP e3000 transition program is available at www.hp.com/go/evolve.

Table 1.1 HP e3000 Business Servers at-a-Glance

SPU Model Number	SPU	S/W Tier	I/O Slots per Server	Number of CPUs	Clock Speed (MHz) ³	Instr/Data Cache ¹	Max. Logged-on Users	Perf. Rel. to HP e3000 Perf. Unit ²	Disk Capacity (GB)		
									Min. Chassis	Max. Chassis	Max. Server
A400-100-110	A6398B	1 (310)	2	1	110	512 KB/1024 KB	3,300	2.2	0	146	6,500
A500-100-140	A6399B	1 (310)	4	1	140	512 KB/1024 KB	3,300	3.2	0	146	6,500
A500-200-140 ⁷	A6399B plus A6394A	1 (310)	4	2	140	512 KB/1024 KB	3,300	5.4	0	146	6,500
A400-100-150	A7018C	1 (310)	2	1	150	750 KB/1500 KB	3,300	4.8	0	146	6,500
A500-100-200	A7019C	1 (310)	4	1	200	750 KB/1500 KB	3,300	6.4	0	146	6,500
A500-200-200	A7019C plus A7020A	1 (310)	4	2	200	750 KB/1500 KB	3,300	11	0	146	6,500
N4000-100-220	A6449B	4 (330)	12	1	220	512 KB/1024 KB	3,300	9	0	146	100,000
N4000-100-330	A6450B	4 (330)	12	1	330	512 KB/1024 KB	3,300	13	0	146	100,000
N4000-100-440	A6451B	4 (330)	12	1	440	512 KB/1024 KB	3,300	18	0	146	100,000
N4000-200-440 ⁷	A6451B plus A6176A	4 (330)	12	2	440	512 KB/1024 KB	3,300	33	0	146	100,000
N4000-300-440 ⁷	A6452B	6 (340)	12	3	440	512 KB/1024 KB	3,300	46	0	146	100,000
N4000-400-440 ⁷	A6452B plus A6176A	6 (340)	12	4	440	512 KB/1024 KB	3,300	57	0	146	100,000
N4000-300-550 ⁷	A6453B	6 (340)	12	3	550	512 KB/1024 KB	3,300	58	0	146	100,000
N4000-400-550 ⁷	A6453B plus A6177A	6 (340)	12	4	550	512 KB/1024 KB	3,300	72	0	146	100,000
N4000-100-380	A6103C	4 (330)	12	1	380	750 KB/1500 KB	3,300	15	0	146	100,000
N4000-200-380	A6103C plus A7105A	4 (330)	12	2	380	750 KB/1500 KB	3,300	27	0	146	100,000
N4000-100-500	A6914C	4 (330)	12	1	500	750 KB/1500 KB	3,300	20	0	146	100,000
N4000-200-500	A6914C plus A7016A	4 (330)	12	2	500	750 KB/1500 KB	3,300	37	0	146	100,000
N4000-300-500	A6914C plus A7016A	4 (330)	12	3	500	750 KB/1500 KB	3,300	52	0	146	100,000
N4000-400-500	A6914C plus A7016A	4 (330)	12	4	500	750 KB/1500 KB	3,300	65	0	146	100,000
N4000-300-750	A7014C	6 (340)	12	3	750	750 KB/1500 KB	3,300	79	0	146	100,000
N4000-400-750	A7014C plus A7017A	6 (340)	12	4	750	750 KB/1500 KB	3,300	100	0	146	100,000
918RX	A3117BW	1 (310)	4	1	34	64KB	64	1.3	9	36	11,374
928RX	A2935BW	1 (310)	4	1	48	64KB	400	1.8	9	36	11,374
988RX	See note 4	330	4	1	96	1,024KB	1,000	5.1	9	36	11,374
929KS/030	A3770A	4 (330)	4/36	1	81	1024KB/1024KB	3,300	3.7	9	144	24,021
939KS/030	A3769A	4 (330)	4/36	1	117	1024KB/1024KB	3,300	5.4	9	144	24,021

Table 1.1 HP e3000 Business Servers at-a-Glance (continued)

SPU Model Number	SPU	S/W Tier	I/O Slots per Server	Number of CPUs	Clock Speed (MHz) ³	Instr/Data Cache ¹	Max. Logged-on Users	Perf. Rel. to HP e3000 Perf. Unit ²	Disk Capacity (GB)		
									Min. Chassis	Max. Chassis	Max. Server
979KS/100	A3288B	4 (330)	4/36	1	180	1024KB/1024KB	3,300	7.9	9	144	24,021
979KS/200	See note 5.	4 (330)	4/36	2	180	1024KB/1024KB	3,300	14.6	9	144	24,021
979KS/300	See note 5.	4 (330)	4/36	3	180	1024KB/1024KB	3,300	19.5	9	144	24,021
979KS/400	See note 5.	4 (330)	4/36	4	180	1024KB/1024KB	3,300	24.4	9	144	24,021
989KS/100	A3671B	6 (340)	4/32	1	200	2048KB/2048KB	3,300	9.1	9	144	24,021
989KS/200	See note 5.	6 (340)	4/32	2	200	2048KB/2048KB	3,300	17.2	9	144	24,021
989KS/300	See note 5.	6 (340)	4/32	3	200	2048KB/2048KB	3,300	24.4	9	144	24,021
989KS/400	See note 5.	6 (340)	4/32	4	200	2048KB/2048KB	3,300	28.7	9	144	24,021
989KS/500	See note 5.	6 (340)	4/32	5	200	2048KB/2048KB	3,300	31.2	9	144	24,021
989KS/600	See note 5.	6 (340)	4/32	6	200	2048KB/2048KB	3,300	33.2	9	144	24,021
989KS/150	A5141B	6 (340)	4/32	1	240	2048KB/2048KB	3,300	11.1	9	144	24,021
989KS/250	See note 5.	6 (340)	4/32	2	240	2048KB/2048KB	3,300	21.3	9	144	24,021
989KS/350	See note 5.	6 (340)	4/32	3	240	2048KB/2048KB	3,300	30.8	9	144	24,021
989KS/450	See note 5.	6 (340)	4/32	4	240	2048KB/2048KB	3,300	35.2	9	144	24,021
989KS/550	See note 5.	6 (340)	4/32	5	240	2048KB/2048KB	3,300	39.6	9	144	24,021
989KS/650	See note 5.	6 (340)	4/32	6	240	2048KB/2048KB	3,300	43.8	9	144	24,021
997/200	A3602A	6 (340)	14-168	2	180	1MB/1MB	3,300	13.2	0	0	24,021
997/400	See note 6.	6 (340)	14-168	4	180	1MB/1MB	3,300	23.7	0	0	24,021
997/600	See note 6.	6 (340)	14-168	6	180	1MB/1MB	3,300	32.2	0	0	24,021
997/800	See note 6.	6 (340)	14-168	8	180	1MB/1MB	3,300	39.0	0	0	24,021
997/1000	See note 6.	6 (340)	14-168	10	180	1MB/1MB	3,300	48.4	0	0	24,021
997/1200	See note 6.	6 (340)	14-168	12	180	1MB/1MB	3,300	52.3	0	0	24,021

¹ Cache size is per CPU.

² "Performance Relative to HP e3000 Performance Unit" is a general guideline for OLTP performance since the factors influencing an application's performance vary widely.

³ The clock speeds of the A400, A500, N4000-100-220, N4000-100-330, 918RX, 929KS/030 and 939KS/030 are affected with software.

⁴ 988RX Servers can be created by purchasing a 928RX Server plus a field upgrade kit.

⁵ 9x9KS multiprocessing servers are created by purchasing additional processors.

⁶ 997 multiprocessing servers can be created by purchasing a 997/200 Server and field installing additional dual CPU processor boards.

⁷ A-Class and N-Class multi-processing requires MPE/iX Release 7.0 Express 1.

HP e3000 Relative Performance Native Mode Matrices

Performance numbers are provided for relative positioning of HP e3000 systems. Specific customer perceived performance will vary with each application. Please see the *HP e3000 Business Servers Ordering Guide* or your HP e3000 sales representative for authorized system upgrade paths.

In August 1998 some new performance measurement techniques were applied across the HP e3000 product line to determine relative performance numbers. As a result, some relative performance numbers were restated in these tables. Where numbers were restated in August 1998, this **DID NOT** reflect performance gains over previously stated numbers. However, it did bring more consistency between performance numbers stated for the 99x Servers and the rest of the HP e3000 Server product lines.

HP e3000 A-Class Servers Compared to other HP e3000 Servers

Table 1.2 HP e3000 Relative Performance Native Mode Matrix—A-Class Compared to Other HP e3000s

Performance Relative to:	A400-100-110	A500-100-140	A500-200-140	A400-100-150	A500-100-200	A500-200-200
Series 37, 37XE	28.2	41.0	69.2	61.5	82.1	141.0
MICRO 3000LX, GX	13.0	18.9	32.0	28.4	37.9	65.1
Series 39,40,44	16.9	24.6	41.5	36.9	49.2	84.6
Series 42, 48	13.0	18.9	32.0	28.4	37.9	65.1
Series 42XP, 52, 58	10.0	14.5	24.4	21.7	29.0	49.8
Series 64	5.3	7.7	13.0	11.5	15.4	26.4
Series 68	4.2	6.2	10.4	9.2	12.3	21.2
Series 70	3.8	5.6	9.4	8.4	11.2	19.2
Series 920	8.7	12.7	21.5	19.1	25.4	43.7
Series 922	5.2	7.6	12.9	11.4	15.3	26.2
Series 932	3.4	4.9	8.3	7.4	9.8	16.9
Series 948	1.6	2.3	3.9	3.5	4.6	7.9
Series 958	1.3	1.8	3.1	2.8	3.7	6.3
Series 925	5.8	8.4	14.2	12.6	16.8	28.8
Series 935	2.9	4.2	7.1	6.3	8.4	14.4
Series 949	1.4	2.1	3.5	3.1	4.2	7.2
Series 950	2.6	3.8	6.4	5.7	7.6	13.1
Series 955	1.7	2.5	4.2	3.7	4.9	8.5
Series 960	1.2	1.7	2.8	2.5	3.3	5.8
Series 980/100		1.1	1.9	1.7	2.2	3.8
Series 980/200			1.1		1.3	2.3
Series 980/300					1.0	1.7
Series 980/400						1.4
Series 917LX	1.7	2.5	4.2	3.7	4.9	8.5
Series 927LX	1.7	2.5	4.2	3.7	4.9	8.5
Series 937	1.7	2.5	4.2	3.7	4.9	8.5
Series 947	1.7	2.5	4.2	3.7	4.9	8.5
Series 957	1.1	1.5	2.6	2.3	3.1	5.3
Series 967		1.2	2.1	1.8	2.5	4.2
Series 977SX			1.6	1.4	1.9	3.3
Series 987			1.3	1.2	1.5	2.6
Series 987/150					1.1	1.9
Series 987/200						1.4
Series 918	1.7	2.5	4.2	3.7	4.9	8.5
Series 928	1.2	1.8	3.0	2.7	3.6	6.1
Series 968		1.1	1.9	1.7	2.3	3.9
Series 978			1.6	1.4	1.9	3.2
Series 988			1.1		1.3	2.2
A400-100-110	1.0	1.5	2.5	2.2	2.9	5.0
A500-100-140		1.0	1.7	1.5	2.0	3.4
A500-200-140			1.0		1.2	2.0
A400-100-150			1.1	1.0	1.3	2.3
A500-100-200					1.0	1.7
A500-200-200						1.0

Compatibility Mode performance will typically be 75%-80% of Native Mode.

Comparisons above may not correlate to available upgrade paths.



HP e3000 Mid-range/High-end N-Class Servers Compared to Other HP e3000 Servers

Table 1.3 HP e3000 Relative Performance Native Mode Matrix—HP e3000 N-Class Servers Compared to Other HP e3000s

Performance Relative to	N4000-100-220	N4000-100-330	N4000-100-440	N4000-200-440	N4000-300-440	N4000-400-440	N4000-300-550	N4000-400-550	N4000-100-380	N4000-200-380	N4000-100-500	N4000-200-500	N4000-300-500	N4000-400-500	N4000-300-750	N4000-400-750
Series 37, 37XE	115.4	166.7	230.8	423.1	589.7	730.8	743.6	923.1	192.3	346.2	256.4	474.4	666.7	833.3	1012.8	1282.1
MICRO 3000LX, GX	53.3	76.9	106.5	195.3	272.2	337.3	343.2	426.0	88.8	159.8	118.3	218.9	307.7	384.6	467.5	591.7
Series 39, 40, 44	69.2	100.0	138.5	253.8	353.8	438.5	446.2	553.8	115.4	207.7	153.8	284.6	400.0	500.0	607.7	769.2
Series 42, 48	53.3	76.9	106.5	195.3	272.2	337.3	343.2	426.0	88.8	159.8	118.3	218.9	307.7	384.6	467.5	591.7
Series 42XP, 52, 58	40.7	58.8	81.4	149.3	208.1	257.9	262.4	325.8	67.9	122.2	90.5	167.4	235.3	294.1	357.5	452.5
Series 64	21.6	31.3	43.3	79.3	110.6	137.0	139.4	173.1	36.1	64.9	48.1	88.9	125.0	156.3	189.9	240.4
Series 68	17.3	25.0	34.6	63.5	88.5	109.6	111.5	138.5	28.8	51.9	38.5	71.2	100.0	125.0	151.9	192.3
Series 70	15.7	22.7	31.5	57.7	80.4	99.7	101.4	125.9	26.2	47.2	35.0	64.7	90.9	113.6	138.1	174.8
Series 920	35.8	51.7	71.5	131.2	182.8	226.5	230.5	286.2	59.6	107.3	79.5	147.1	206.7	258.3	314.0	397.4
Series 922	21.5	31.0	42.9	78.7	109.7	135.9	138.3	171.7	35.8	64.4	47.7	88.2	124.0	155.0	188.4	238.5
Series 932	13.8	20.0	27.7	50.8	70.8	87.7	89.2	110.8	23.1	41.5	30.8	56.9	80.0	100.0	121.5	153.8
Series 948	6.5	9.4	13.0	23.8	33.2	41.1	41.8	51.9	10.8	19.5	14.4	26.7	37.5	46.9	57.0	72.1
Series 958	5.2	7.5	10.4	19.0	26.5	32.9	33.5	41.5	8.7	15.6	11.5	21.3	30.0	37.5	45.6	57.7
Series 925	23.6	34.1	47.2	86.5	120.6	149.5	152.1	188.8	39.3	70.8	52.4	97.0	136.4	170.5	207.2	262.2
Series 935	11.8	17.0	23.6	43.3	60.3	74.7	76.0	94.4	19.7	35.4	26.2	48.5	68.2	85.2	103.6	131.1
Series 949	5.9	8.5	11.8	21.6	30.2	37.4	38.0	47.2	9.8	17.7	13.1	24.3	34.1	42.6	51.8	65.6
Series 950	10.7	15.5	21.5	39.3	54.8	67.9	69.1	85.8	17.9	32.2	23.8	44.1	62.0	77.5	94.2	119.2
Series 955	6.9	10.0	13.8	25.4	35.4	43.8	44.6	55.4	11.5	20.8	15.4	28.5	40.0	50.0	60.8	76.9
Series 960	4.7	6.8	9.4	17.3	24.1	29.8	30.4	37.7	7.8	14.1	10.5	19.4	27.2	34.0	41.3	52.3
Series 980/100	3.1	4.5	6.3	11.5	16.1	19.9	20.3	25.2	5.2	9.4	7.0	12.9	18.2	22.7	27.6	35.0
Series 980/200	1.9	2.7	3.7	6.9	9.6	11.9	12.1	15.0	3.1	5.6	4.2	7.7	10.8	13.5	16.4	20.8
Series 980/300	1.4	2.0	2.8	5.2	7.2	8.9	9.1	11.3	2.4	4.2	3.1	5.8	8.2	10.2	12.4	15.7
Series 980/400	1.2	1.7	2.3	4.3	6.0	7.4	7.6	9.4	2.0	3.5	2.6	4.8	6.8	8.5	10.3	13.0
Series 917LX	6.9	10.0	13.8	25.4	35.4	43.8	44.6	55.4	11.5	20.8	15.4	28.5	40.0	50.0	60.8	76.9
Series 927LX	6.9	10.0	13.8	25.4	35.4	43.8	44.6	55.4	11.5	20.8	15.4	28.5	40.0	50.0	60.8	76.9
Series 937	6.9	10.0	13.8	25.4	35.4	43.8	44.6	55.4	11.5	20.8	15.4	28.5	40.0	50.0	60.8	76.9
Series 947	6.9	10.0	13.8	25.4	35.4	43.8	44.6	55.4	11.5	20.8	15.4	28.5	40.0	50.0	60.8	76.9
Series 957	4.3	6.3	8.7	15.9	22.1	27.4	27.9	34.6	7.2	13.0	9.6	17.8	25.0	31.3	38.0	48.1
Series 967	3.5	5.0	6.9	12.7	17.7	21.9	22.3	27.7	5.8	10.4	7.7	14.2	20.0	25.0	30.4	38.5
Series 977SX	2.7	3.8	5.3	9.8	13.6	16.9	17.2	21.3	4.4	8.0	5.9	10.9	15.4	19.2	23.4	29.6
Series 987	2.2	3.1	4.3	7.9	11.1	13.7	13.9	17.3	3.6	6.5	4.8	8.9	12.5	15.6	19.0	24.0
Series 987/150	1.5	2.2	3.1	5.6	7.9	9.7	9.9	12.3	2.6	4.6	3.4	6.3	8.9	11.1	13.5	17.1
Series 987/200	1.2	1.7	2.3	4.2	5.9	7.3	7.4	9.2	1.9	3.5	2.6	4.7	6.7	8.3	10.1	12.8
Series 918	6.9	10.0	13.8	25.4	35.4	43.8	44.6	55.4	11.5	20.8	15.4	28.5	40.0	50.0	60.8	76.9
Series 928	5.0	7.2	10.0	18.3	25.6	31.7	32.2	40.0	8.3	15.0	11.1	20.6	28.9	36.1	43.9	55.6
Series 968	3.2	4.6	6.4	11.8	16.4	20.4	20.7	25.7	5.4	9.6	7.1	13.2	18.6	23.2	28.2	35.7
Series 978	2.6	3.8	5.3	9.7	13.5	16.8	17.1	21.2	4.4	7.9	5.9	10.9	15.3	19.1	23.2	29.4
Series 988	1.8	2.5	3.5	6.5	9.0	11.2	11.4	14.1	2.9	5.3	3.9	7.3	10.2	12.7	15.5	19.6
A400-100-110	4.1	5.9	8.2	15.0	20.9	25.9	26.4	32.7	6.8	12.3	9.1	16.8	23.6	29.5	35.9	45.5
A500-100-140	2.8	4.1	5.6	10.3	14.4	17.8	18.1	22.5	4.7	8.4	6.3	11.6	16.3	20.3	24.7	31.3
A500-200-140	1.7	2.4	3.3	6.1	8.5	10.6	10.7	13.3	2.8	5.0	3.7	6.9	9.6	12.0	14.6	18.5
A400-100-110	1.9	2.7	3.8	6.9	9.6	11.9	12.1	15.0	3.1	5.6	4.2	7.7	10.8	13.5	16.5	20.8
A500-100-140	1.4	2.0	2.8	5.2	7.2	8.9	9.1	11.3	2.3	4.2	3.1	5.8	8.1	10.2	12.3	15.6
A500-200-140		1.2	1.6	3.0	4.2	5.2	5.3	6.5	1.4	2.5	1.8	3.4	4.7	5.9	7.2	9.1
Series 929KS/020	2.7	3.9	5.5	10.0	13.9	17.3	17.6	21.8	4.5	8.2	6.1	11.2	15.8	19.7	23.9	30.3
Series 929KS/030	2.4	3.5	4.9	8.9	12.4	15.4	15.7	19.5	4.1	7.3	5.4	10.0	14.1	17.6	21.4	27.0
Series 939KS	2.5	3.6	4.9	9.1	12.6	15.7	15.9	19.8	4.1	7.4	5.5	10.2	14.3	17.9	21.7	27.5
Series 939KS/020	2.0	2.8	3.9	7.2	10.0	12.4	12.6	15.7	3.3	5.9	4.3	8.0	11.3	14.1	17.2	21.7
Series 939KS/030	1.7	2.4	3.3	6.1	8.5	10.6	10.7	13.3	2.8	5.0	3.7	6.9	9.6	12.0	14.6	18.5
Series 959KS/100	2.0	2.9	4.0	7.3	10.1	12.5	12.7	15.8	3.3	5.9	4.4	8.1	11.4	14.3	17.4	22.0
Series 959KS/200	1.1	1.6	2.2	4.1	5.7	7.1	7.2	8.9	1.9	3.3	2.5	4.6	6.5	8.1	9.8	12.4
Series 959KS/300		1.2	1.6	3.0	4.1	5.1	5.2	6.4	1.3	2.4	1.8	3.3	4.7	5.8	7.1	8.9
Series 959KS/400			1.3	2.3	3.2	4.0	4.1	5.0	1.0	1.9	1.4	2.6	3.6	4.5	5.5	7.0
Series 969KS/100	1.7	2.5	3.5	6.3	8.8	11.0	11.2	13.8	2.9	5.2	3.8	7.1	10.0	12.5	15.2	19.2
Series 969KS/200		1.4	2.0	3.6	5.0	6.2	6.3	7.8	1.6	2.9	2.2	4.0	5.6	7.0	8.6	10.8
Series 969KS/300		1.0	1.4	2.6	3.6	4.4	4.5	5.6	1.2	2.1	1.6	2.9	4.0	5.1	6.1	7.8
Series 969KS/400			1.1	2.0	2.8	3.5	3.5	4.4		1.6	1.2	2.3	3.2	4.0	4.8	6.1
Series 969KS/120	1.3	1.9	2.7	4.9	6.9	8.5	8.7	10.7	2.2	4.0	3.0	5.5	7.8	9.7	11.8	14.9
Series 969KS/220		1.0	1.5	2.7	3.7	4.6	4.7	5.8	1.2	2.2	1.6	3.0	4.2	5.2	6.4	8.1
Series 969KS/320			1.0	1.9	2.6	3.3	3.3	4.1		1.5	1.1	2.1	3.0	3.7	4.5	5.7
Series 969KS/420				1.5	2.1	2.7	2.7	3.3		1.3		1.7	2.4	3.0	3.7	4.7



Performance Relative to	N4000-100-220	N4000-100-330	N4000-100-440	N4000-200-440	N4000-300-440	N4000-400-440	N4000-300-550	N4000-400-550	N4000-100-380	N4000-200-380	N4000-100-500	N4000-200-500	N4000-300-500	N4000-400-500	N4000-300-750	N4000-400-750
Series 979KS/100	1.1	1.6	2.3	4.2	5.8	7.2	7.3	9.1	1.9	3.4	2.5	4.7	6.6	8.2	10.0	12.7
Series 979KS/200			1.2	2.3	3.2	3.9	4.0	4.9	1.0	1.8	1.4	2.5	3.6	4.5	5.4	6.8
Series 979KS/300				1.7	2.4	2.9	3.0	3.7		1.4	1.0	1.9	2.7	3.3	4.1	5.1
Series 979KS/400				1.4	1.9	2.3	2.4	3.0		1.1		1.5	2.1	2.7	3.2	4.1
Series 989KS/100		1.4	2.0	3.6	5.1	6.3	6.4	7.9	1.6	3.0	2.2	4.1	5.7	7.1	8.7	11.0
Series 989KS/200			1.0	1.9	2.7	3.3	3.4	4.2		1.6	1.2	2.2	3.0	3.8	4.6	5.8
Series 989KS/300				1.4	1.9	2.3	2.4	3.0		1.1		1.5	2.1	2.7	3.2	4.1
Series 989KS/400				1.1	1.6	2.0	2.0	2.5				1.3	1.8	2.3	2.8	3.5
Series 989KS/500				1.1	1.5	1.8	1.9	2.3				1.2	1.7	2.1	2.5	3.2
Series 989KS/600					1.4	1.7	1.7	2.2				1.1	1.6	2.0	2.4	3.0
Series 989KS/150		1.2	1.6	3.0	4.1	5.1	5.2	6.5	1.4	2.4	1.8	3.3	4.7	5.9	7.1	9.0
Series 989KS/250				1.5	2.2	2.7	2.7	3.4		1.3		1.7	2.4	3.1	3.7	4.7
Series 989KS/350				1.1	1.5	1.9	1.9	2.3				1.2	1.7	2.1	2.6	3.2
Series 989KS/450					1.3	1.6	1.6	2.0				1.1	1.5	1.8	2.2	2.8
Series 989KS/550					1.2	1.4	1.5	1.8					1.3	1.6	2.0	2.5
Series 989KS/650					1.1	1.3	1.3	1.6					1.2	1.5	1.8	2.3
Series 990	3.2	4.6	6.4	11.8	16.4	20.4	20.7	25.7	5.4	9.6	7.1	13.2	18.6	23.2	28.2	35.7
Series 992/100	2.6	3.7	5.1	9.4	13.1	16.3	16.6	20.6	4.3	7.7	5.7	10.6	14.9	18.6	22.6	28.6
Series 992/200	1.5	2.2	3.0	5.5	7.7	9.5	9.7	12.0	2.5	4.5	3.3	6.2	8.7	10.8	13.2	16.7
Series 992/300	1.1	1.6	2.2	4.1	5.7	7.0	7.2	8.9	1.9	3.3	2.5	4.6	6.4	8.0	9.8	12.3
Series 992/400		1.3	1.8	3.3	4.6	5.7	5.8	7.2	1.5	2.7	2.0	3.7	5.2	6.5	7.9	10.0
Series 991	2.7	3.9	5.5	10.0	13.9	17.3	17.6	21.8	4.5	8.2	6.1	11.2	15.8	19.7	23.9	30.3
Series 995/100	2.1	3.1	4.3	7.9	11.0	13.6	13.8	17.1	3.6	6.4	4.8	8.8	12.4	15.5	18.8	23.8
Series 995/200	1.3	1.8	2.5	4.6	6.5	8.0	8.2	10.1	2.1	3.8	2.8	5.2	7.3	9.2	11.1	14.1
Series 995/300		1.4	1.9	3.4	4.8	5.9	6.0	7.5	1.6	2.8	2.1	3.9	5.4	6.8	8.2	10.4
Series 995/400		1.1	1.5	2.8	3.9	4.8	4.9	6.1	1.3	2.3	1.7	3.1	4.4	5.5	6.7	8.5
Series 995/500			1.3	2.4	3.3	4.1	4.2	5.2	1.1	1.9	1.4	2.7	3.7	4.7	5.7	7.2
Series 995/600			1.1	2.1	2.9	3.6	3.6	4.5		1.7	1.3	2.3	3.3	4.1	4.9	6.3
Series 995/700			1.0	1.8	2.6	3.2	3.2	4.0		1.5	1.1	2.1	2.9	3.6	4.4	5.6
Series 995/800				1.7	2.3	2.9	2.9	3.6		1.4	1.0	1.9	2.6	3.3	4.0	5.0
Series 996/80	2.4	3.4	4.7	8.7	12.1	15.0	15.3	18.9	3.9	7.1	5.3	9.7	13.7	17.1	20.8	26.3
Series 996/100	1.9	2.7	3.8	6.9	9.6	11.9	12.1	15.0	3.1	5.6	4.2	7.7	10.8	13.5	16.5	20.8
Series 996/200	1.1	1.6	2.3	4.1	5.8	7.1	7.3	9.0	1.9	3.4	2.5	4.6	6.5	8.1	9.9	12.5
Series 996/300		1.2	1.7	3.1	4.3	5.3	5.4	6.7	1.4	2.5	1.9	3.5	4.9	6.1	7.4	9.3
Series 996/400		1.0	1.4	2.5	3.5	4.4	4.5	5.5	1.2	2.1	1.5	2.8	4.0	5.0	6.1	7.7
Series 996/500			1.2	2.2	3.0	3.8	3.8	4.7		1.8	1.3	2.4	3.4	4.3	5.2	6.6
Series 996/600			1.0	1.9	2.7	3.3	3.4	4.2		1.6	1.2	2.1	3.0	3.8	4.6	5.8
Series 996/700				1.7	2.4	3.0	3.0	3.8		1.4	1.0	1.9	2.7	3.4	4.1	5.2
Series 996/800				1.6	2.2	2.7	2.8	3.4		1.3		1.8	2.5	3.1	3.8	4.8
Series 997/100	1.2	1.7	2.4	4.3	6.1	7.5	7.6	9.5	2.0	3.6	2.6	4.9	6.8	8.6	10.4	13.2
Series 997/200			1.4	2.5	3.5	4.3	4.4	5.5	1.1	2.0	1.5	2.8	3.9	4.9	6.0	7.6
Series 997/300				1.8	2.5	3.1	3.1	3.9		1.5	1.1	2.0	2.8	3.5	4.3	5.4
Series 997/400				1.4	1.9	2.4	2.4	3.0		1.1		1.6	2.2	2.7	3.3	4.2
Series 997/500				1.2	1.6	2.0	2.0	2.5				1.3	1.8	2.3	2.8	3.5
Series 997/600				1.0	1.4	1.8	1.8	2.2				1.1	1.6	2.0	2.5	3.1
Series 997/800					1.2	1.5	1.5	1.8					1.3	1.7	2.0	2.6
Series 997/1000						1.2	1.2	1.5					1.1	1.3	1.6	2.1
Series 997/1200						1.1	1.1	1.4						1.2	1.5	1.9
N4000-100-220	1.0	1.4	2.0	3.7	5.1	6.3	6.4	8.0	1.7	3.0	2.2	4.1	5.8	7.2	8.8	11.1
N4000-100-330		1.0	1.4	2.5	3.5	4.4	4.5	5.5	1.2	2.1	1.5	2.8	4.0	5.0	6.1	7.7
N4000-100-440			1.0	1.8	2.6	3.2	3.2	4.0		1.5	1.1	2.1	2.9	3.6	4.4	5.6
N4000-200-440				1.0	1.4	1.7	1.8	2.2				1.1	1.6	2.0	2.4	3.0
N4000-300-440					1.0	1.2	1.3	1.6					1.1	1.4	1.7	2.2
N4000-400-440						1.0	1.0	1.3						1.1	1.4	1.8
N4000-300-550							1.0	1.2						1.1	1.4	1.7
N4000-400-550								1							1.1	1.4
N4000-100-380			1.2	2.2	3.1	3.8	3.9	4.8	1.0	1.8	1.3	2.5	3.5	4.3	5.3	6.7
N4000-200-380				1.2	1.7	2.1	2.1	2.7		1.0		1.4	1.9	2.4	2.9	3.7
N4000-100-500				1.7	2.3	2.9	2.9	3.6		1.4	1.0	1.9	2.6	3.3	4.0	5.0
N4000-200-500					1.2	1.5	1.6	1.9				1.0	1.4	1.8	2.1	2.7
N4000-300-500						1.1	1.1	1.4					1.0	1.3	1.5	1.9
N4000-400-500								1.1						1.0	1.2	1.5
N4000-300-750															1.0	1.3
N4000-400-750																1.0

Compatibility Mode performance will typically be 75%-80% of Native Mode. Comparisons above may not correlate to available upgrade paths.

HP e3000 Servers Relative Performance

Table 1.4. Performance of All HP e3000 Servers Relative to the “HP e3000 Performance Unit”

Server	Relative Performance
Series 37, 37XE (not actively sold)	0.1
MICRO 3000LX/GX (not actively sold)	0.2
Series 39, 40, 44 (not actively sold)	0.1
Series 42, 48 (not actively sold)	0.2
Series 42XP, 52, 58 (not actively sold)	0.2
Series 64 (not actively sold)	0.4
Series 68 (not actively sold)	0.5
Series 70 (not actively sold)	0.6
Series 920 (not actively sold)	0.3
Series 922LX/RX, 922 (not actively sold)	0.4
Series 932 (not actively sold)	0.7
Series 948 (not actively sold)	1.4
Series 958 (not actively sold)	1.7
Series 925LX, 925 (not actively sold)	0.4
Series 935 (not actively sold)	0.8
Series 949 (not actively sold)	1.5
Series 950 (not actively sold)	0.8
Series 955 (not actively sold)	1.3
Series 960 (not actively sold)	1.9
Series 980/100 (not actively sold)	2.9
Series 980/200 (not actively sold)	4.8
Series 980/300 (not actively sold)	6.4
Series 980/400 (not actively sold)	7.7
Series 917LX (not actively sold)	1.3
Series 927LX (not actively sold)	1.3
Series 937LX, 937RX, 937SX (not actively sold)	1.3
Series 947LX, 947RX, 947SX (not actively sold)	1.3
Series 957LX, 957RX, 957SX (not actively sold)	2.1
Series 967RX, 967SX (not actively sold)	2.6
Series 977SX (not actively sold)	3.4
Series 987RX, 987SX (not actively sold)	4.2
Series 987/150/RX/SX (not actively sold)	5.9
Series 987/200/RX/SX (not actively sold)	7.8
Series 918 (not actively sold)	1.3
Series 928 (not actively sold)	1.8
Series 968 (not actively sold)	2.8
Series 978 (not actively sold)	3.4
Series 988 (not actively sold)	5.1
A400-100-110	2.2
A500-100-140	3.2
A500-200-140	5.4
A400-100-150	4.8
A500-100-200	6.4
A500-200-200	11
Series 929KS/020 (not actively sold)	3.3
Series 929KS/030 (not actively sold)	3.7

Server	Relative Performance
Series 939KS (not actively sold)	3.6
Series 939KS/020 (not actively sold)	4.6
Series 939KS/030 (not actively sold)	5.4
Series 959KS/100 (not actively sold)	4.6
Series 959KS/200 (not actively sold)	8.1
Series 959KS/300 (not actively sold)	11.2
Series 959KS/400 (not actively sold)	14.3
Series 969KS/100 (not actively sold)	5.2
Series 969KS/200 (not actively sold)	9.2
Series 969KS/300 (not actively sold)	12.9
Series 969KS/400 (not actively sold)	16.4
Series 969KS/120 (not actively sold)	6.7
Series 969KS/220 (not actively sold)	12.4
Series 969KS/320 (not actively sold)	17.5
Series 969KS/420 (not actively sold)	21.5
Series 979KS/100 (not actively sold)	7.9
Series 979KS/200 (not actively sold)	14.6
Series 979KS/300 (not actively sold)	19.5
Series 979KS/400 (not actively sold)	24.4
Series 989KS/100 (not actively sold)	9.1
Series 989KS/200 (not actively sold)	17.2
Series 989KS/300 (not actively sold)	24.4
Series 989KS/400 (not actively sold)	28.7
Series 989KS/500 (not actively sold)	31.2
Series 989KS/600 (not actively sold)	33.2
Series 989KS/150 (not actively sold)	11.1
Series 989KS/250 (not actively sold)	21.3
Series 989KS/350 (not actively sold)	30.8
Series 989KS/450 (not actively sold)	35.2
Series 989KS/550 (not actively sold)	39.6
Series 989KS/650 (not actively sold)	43.8
Series 990 (not actively sold)	2.8
Series 992/100 (not actively sold)	3.5
Series 992/200 (not actively sold)	6.0
Series 992/300 (not actively sold)	8.1
Series 992/400 (not actively sold)	10.0
Series 991 (not actively sold)	3.3
Series 995/100 (not actively sold)	4.2
Series 995/200 (not actively sold)	7.1
Series 995/300 (not actively sold)	9.6
Series 995/400 (not actively sold)	11.8
Series 995/500 (not actively sold)	13.9
Series 995/600 (not actively sold)	16.0
Series 995/700 (not actively sold)	18.0
Series 995/800 (not actively sold)	20.0
Series 996/80 (not actively sold)	3.8
Series 996/100 (not actively sold)	4.8
Series 996/200 (not actively sold)	8.0
Series 996/300 (not actively sold)	10.7
Series 996/400 (not actively sold)	13.0
Series 996/500 (not actively sold)	15.2
Series 996/600 (not actively sold)	17.3
Series 996/700 (not actively sold)	19.2
Series 996/800 (not actively sold)	21.0
Series 997/100 (not actively sold)	7.6



Server	Relative Performance
Series 997/200 (not actively sold)	13.2
Series 997/300 (not actively sold)	18.5
Series 997/400 (not actively sold)	23.7
Series 997/500 (not actively sold)	28.5
Series 997/600 (not actively sold)	32.2
Series 997/800 (not actively sold)	39.0
Series 997/1000 (not actively sold)	48.4
Series 997/1200 (not actively sold)	52.3
N4000-100-220	9
N4000-100-330	13
N4000-100-440	18
N4000-200-440	33
N4000-300-440	46
N4000-400-440	57
N4000-300-550	58
N4000-400-550	72
N4000-100-380	15
N4000-200-380	27
N4000-100-500	20
N4000-200-500	37
N4000-300-500	52
N4000-400-500	65
N4000-300-750	79
N4000-400-750	100