
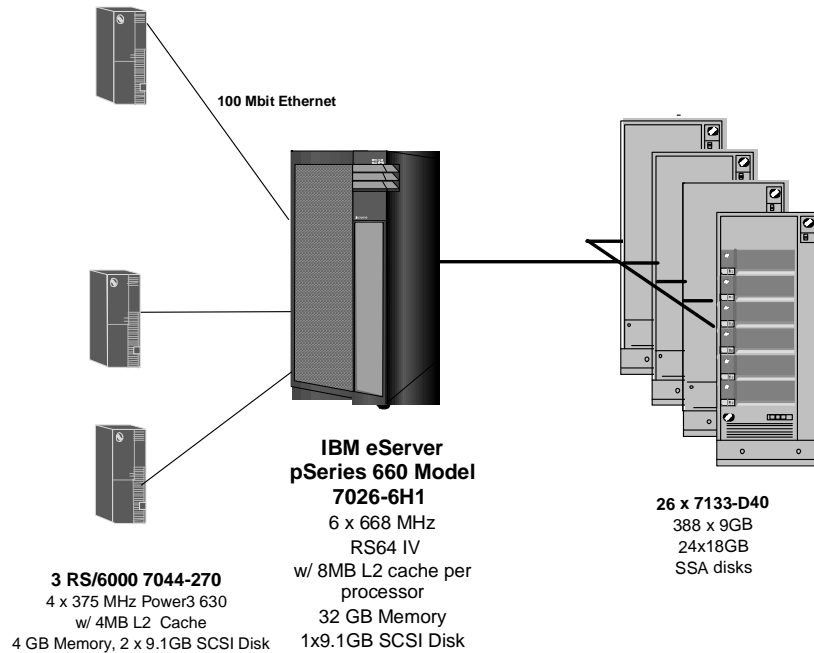
		IBM eServer pSeries 660 Model 7026-6H1		TPC-C Rev. 5.0	
				Report Date June 29, 2001	
Total System Cost		TPC-C Throughput		Price/Performance	
\$1,632,624		57,346.93 tpmC		\$28.47/tpmC	
				Availability Date June 19, 2001	
Processors		Database Manager		Operating System	
6 x IBM RS64 IV		Oracle9i Database Enterprise Edition 9.0.1 for AIX - Based System		AIX 4.3.3 +APAR IY17356	
				Other Software	
				Websphere Application Server Enterprise Edition Version 3.0	
				No. Users 45,360	



System Components	Clients		Server	
	Quantity	Description	Quantity	Description
Processor	3	4 x 375 MHz Power3 W/4MB L2 cache each	1	6 x 668 MHz IBM RS64 IV w/ 8MB L2 cache each
Memory		4 GB		32 GB
Disk Controllers	1	SCSI-2 (Integrated)	1	SCSI-2 (Integrated)
Disk Drives	2	9.1 GB SCSI each client	7	SSA Adapters
			388	9GB SSA Disk
Total Storage		16.93 GB each client	24	18 GB SSA disk
			1	9.1 GB SCSI Disk
Terminals	3	System Console	1	3,650.25 GB System Console



ORACLE

IBM eServer pSeries 660 Model 7026-6H1

TPC-C Rev. 5.0

Report Date: June 29, 2001

Description	Part No.	Source	Unit Price	Qty	Ext Price	Maint Price
Server Hardware						
IBM eserver pSeries 660 Model 6H1	7026-6H1	1	3,212	1	3,212	3,120
32x Speed CD-ROM	2624	1	375	1	375	0
Async/Terminal Cable	2934	1	45	1	45	0
10/100 Mbs Ethernet PCI Adapter	2968	1	275	3	825	0
9.1 GB 10K RPM Ultra SCSI Disk Drive	3027	1	1,160	1	1,160	0
Remote I/O Cable	3142	1	595	2	1,190	0
Memory Board, 16-position	4075	1	1,500	2	3,000	0
2GB (2x1024MB) DIMM SDRAM	4137	1	18,432	16	294,912	0
6-way 668Mhz RS64 IV Proc, 8MB L2	5216	1	65,500	1	65,500	6,480
I/O Power Cable set (1-5992, 1-6132) set	5992	1	170	1	170	0
Advanced SerialRAID Adapter	6230	1	3,000	7	21,000	0
32 MB Fast-Write Cache Option	6235	1	575	2	1,150	0
Primary I/O Drawer, 5 EIA	6324	1	8,000	1	8,000	0
IPL Disk Mounting Hardware, Cables, Terminator	6540	1	100	1	100	0
IBM ASCII Terminal, Keyboard, Cable	3153-BG3	1	577	1	577	304
Enterprise Rack - 36 EIA (6098,6107)	7014-T00	1	3,550	4	14,200	3,072
Additional Power Distribution Unit	6171	1	1,000	5	5,000	0
Advanced SSA Disk Subsystem, Black Cover	7133-D40	1	13,000	26	338,000	114,816
50/60 Hz AC, 300 VDC Power Supply	8022	1	2,000	26	52,000	0
10K/9.1 GB Disk Drive Modules	8509	1	2,760	388	1,070,880	0
18 GB Disk Drive Modules	8518	1	4,500	24	108,000	0
SSA Cables	8802	1	125	26	3,250	0
				Subtotal	1,992,546	127,792
Server Software						
AIX 4.3 (Media only)	5765-C34	1	50	1	50	8,949
IBM C for AIX V5	5765-E32	1	799	1	799	6,666
Oracle9i (TM) Database Enterprise Edition 9.0.1 for AIX		2	112,200	1	112,200	134,640
				Subtotal	113,049	150,255
Client Hardware						
RS/6000 Model 44P-270 w/ CD-ROM	7044-270	1	5,649	3	16,947	5,040
Async Terminal/Printer Cable	2934	1	45	3	135	0
9.1 GB 10K RPM Ultra SCSI Enhanced Hard Disk	2906	1	1260	6	7,560	0
10/100 Mbps Ethernet Adapter, PCI	2968	1	275	12	3,300	0
Serial Port Converter Cable	3925	1	25	3	75	0
Memory Expansion Feature	4098	1	1,038	3	3,114	0
512MB SDRAM DIMM Memory	4120	1	3,072	24	73,728	0
2-way 375 MHz Power3, 4MB L2	4362	1	13,000	6	78,000	10,080
IBM ASCII Terminal, Keyboard, Cable	3153-BG3	1	577	3	1,731	912
				Subtotal	184,590	16,032
Client Software						
AIX 4.3 Unlimited Users(Media only)	5765-C34	1	50	3	150	11,634
IBM Websphere Application Server	41L3462	1	21,000	3	63,000	8,667
				Subtotal	63,150	20,301
				Discounts	(1,008,511)	(26,580)
				Totals	1,344,824	287,800
Notes:						
Pricing Sources:				Three-Year Cost of Ownership		\$1,632,624
1=IBM, 2=Oracle				tpmC		57,346.93
Audited by: Brad Askins, Info Sizing				\$/tpmC		\$28.47

Prices used in TPC benchmarks reflect the actual prices a customer would pay for a one-time purchase of the stated components. Individually negotiated discounts are not permitted. Special prices based on assumptions about past or future purchases are not permitted. All discounts reflect standard pricing policies for the listed components. For complete details, see the pricing sections of the TPC benchmark specifications. If you find that the stated prices are not available according to these terms, please inform the TPC at pricing@tpc.org. Thank you

Numerical Quantities Summary for the IBM eServer pSeries 660 Model 7026-6H1

MQTH, computed Maximum Qualified Throughput: 57,346.93 tpmC

<u>Response Times (in seconds)</u>	<u>90th %</u>	<u>Average</u>	<u>Maximum</u>
New Order	0.68	0.33	26.20
Payment	0.62	0.29	26.09
Order-Status	0.67	0.32	24.45
Delivery (interactive)	0.19	0.10	2.14
Delivery (deferred)	0.31	0.17	3.96
Stock-Level	0.89	0.50	10.26
Menu	0.00	0.00	2.25

<u>Transaction Mix, in percent of total transactions</u>	<u>Percent</u>
New Order	44.89%
Payment	43.02%
Order-Status	4.02%
Delivery	4.02%
Stock-Level	4.02%

<u>Keying/Think Times (in seconds)</u>	<u>Min.</u>	<u>Average</u>	<u>Max.</u>
New Order	18.00/0.01	18.01/12.02	18.16/120.20
Payment	3.00/0.01	3.01/12.02	3.15/120.27
Order-Status	2.00/0.01	2.01/10.03	2.11/100.10
Delivery	2.00/0.01	2.01/5.01	2.11/50.20
Stock-Level	2.00/0.01	2.01/5.02	2.12/50.20

Test Duration

Ramp-up Time	36 min
Measurement interval	2 hours
Transactions during measurement interval (all types)	15,326,602
Ramp-down time	10 minutes

Checkpointing

Number of checkpoints	4
Checkpoint interval	29 min 40 sec