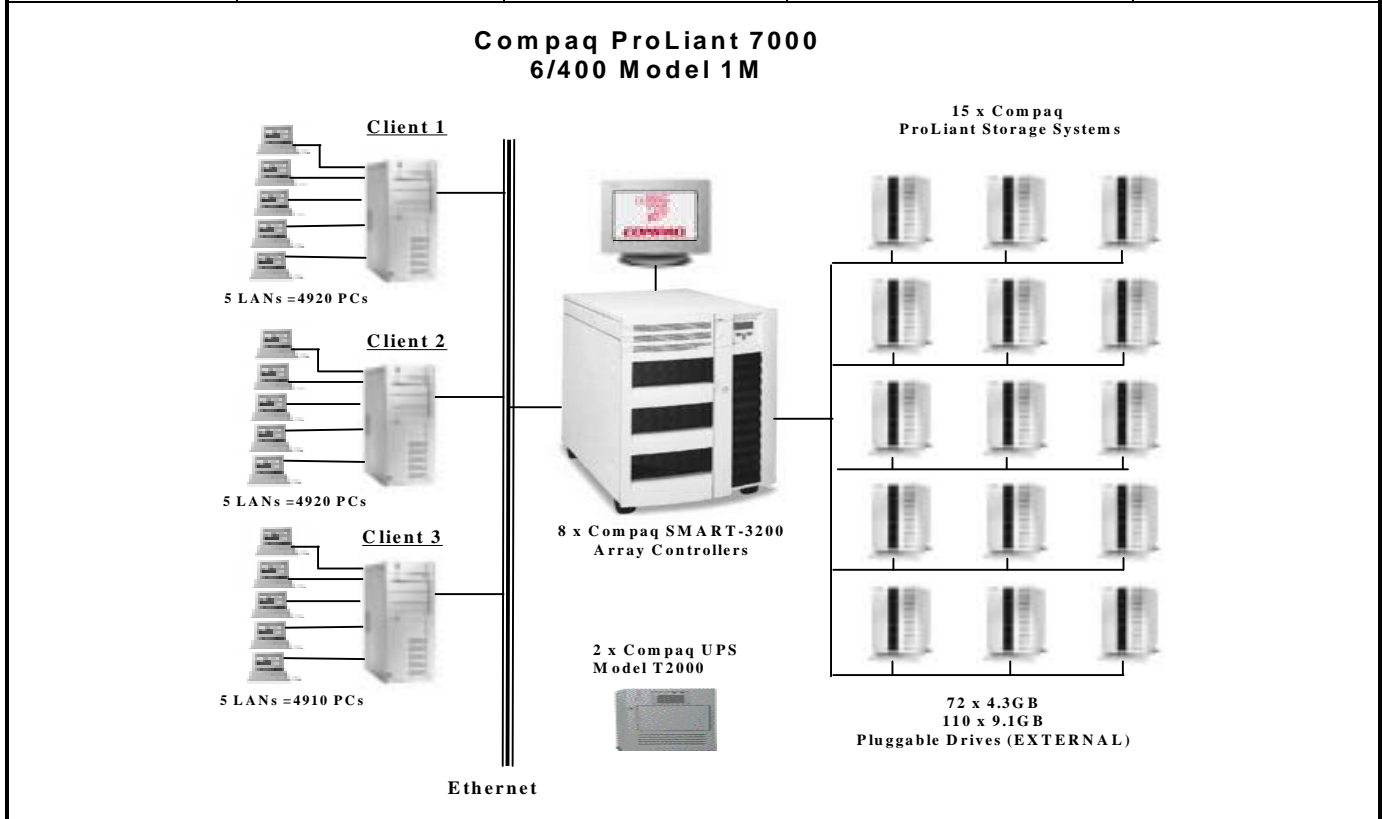


Compaq Computer Corporation		ProLiant 7000-6/400-M1 C/S with 3 ProLiant 1600		TPC-C Rev. 3.3 Report Date: Jun 26,1998					
Total System Cost		TPC-C Throughput		Price/Performance		Availability Date			
\$473,203		18127.40		\$26.10		Dec 26, 1998			
Processors		Database		Operating System		Other Software		Number Users	
4 Pentium II Xeon 400 MHz		Microsoft SQL Server 7.0 Enterprise Edition		Windows NT 4.0 Enterprise Edition		NonStopTuxedo 1.3 Microsoft Visual C++ MKS Toolkit for NT Microsoft SQL Toolkit		14750	



System Components	Server		Each Client	
	Quantity	Description	Quantity	Description
Processor	4	400MHz Pentium II Xeon w/ 1MB Cache	2	400MhzPentium II w/ 512K cache
Memory	8	512MB	1	256MB
Disk Controllers	8	SMART SCSI Array Controller 3200	1	Integrated Ultra SCSI Controller
Disk Drives	110	9.1GB SCSI Drive	1	4.3GB SCSI-2 Drive
	72	4.1GB SCSI Drive		
Total Storage		1.1772 TeraBytes		
Tape Drives	1	4/16 TurboDAT		

Compaq Computer Corporation		ProLiant 7000- 6/400-1M			TPC-C REV 3.3.3		
Description		Part Number	Third Party Brand	Unit Price	Qty	Extended Price	5 yr. Maint. Price
Server Hardware							
ProLiant 7000-6/400-1M	312150-001			25,800	1	25,800	
Pentium II Xeon/400MHz - 1MB Cache							
10/100 Ethernet Controller							
2 x Integrated Fast-SCSI-2 Controller							
CD-ROM							
ProLiant Warranty Upgrade	276535-000			1,075	1		1,075
Onsite 5x8 4 Hr Response Maintenance							14,161
ProLiant Xeon 400 - 1MB Processor Kit	312286-B21			4,945	3	14,835	
512 MB DIMM Kit (2x256 MB)	306541-B21			2,497	8	19,979	
Compaq SMART Array Controller 3200	295643-B21			2,250	8	18,000	
Enhanced ProLiant Storage System - U2	304110-B22			1,785	1	1,785	
Enhanced ProLiant Storage System -U	348700-001			2,475	14	34,650	
ProLiant Storage Warranty Upgrade	276537-001			430	15		6,450
4.1 GB Pluggable SCSI-3 Drive - 10K RPM	336356-B21			731	72	52,633	
9.1 GB Pluggable SCSI-3 Drive - 10K RPM	336357-B21			1,289	110	141,782	
Compaq VGA V50 Color Monitor	264150-001			265	1	265	
4/8GB DAT Drive	295353-B21			788	1	788	
Compaq UPS T2000	242688-005			954	2	1,908	
Subtotal						310,516	21,686
Server Software							
Microsoft SQL Server 7.0 Enterprise		Microso	1	28,999	1	28,999	10,475
MKS Toolkit for NT				499	1	499	5 Yr WTY
Microsoft Visual C++ and Subscription Service		Microso	1	499	1	499	Incl Above
Microsoft Windows NT Enterprise v. 4.0		Microso	1	3,999	1	3,999	Incl Above
Subtotal						33,996	10,475
Client Hardware							
ProLiant 1600 6/400 - 64MB,100TX Nic, 4.3	315570-001			3,333	3	9,998	
ProLiant Warranty Upgrade	276535-000			1,075	3		3,225
Onsite 5x8 4 Hr Response Maintenance							2,527
ProLiant 1600 6/400 Processor Option Kit	313612-B21			1,854	3	5,563	
64-Megabyte SD DIMM Kit	313614-B21			323	1	323	
128-Megabyte SD DIMM Kit	313615-B21			645	4	2,580	
Netelligent Dual Port PCI NIC	242559-001			260	6	1,559	
Netelligent 10/100 UTP PCI NIC	169845-001			80	3	239	
Compaq VGA V50 Color Monitor	264150-001			265	3	795	
Subtotal						21,056	5,752
Client Software							
Microsoft Windows NT Server v. 4.0		Microso	1	809	3	2,427	Incl. Above
Microsoft SQL Toolkit		Microso	1	499	1	499	Incl. Above
Compaq Non-Stop Tuxedo CS for NT - 1.3				1,950	3	5,850	480
Subtotal						8,776	480
User Connectivity							
COMPEX MicroHub 5 PORT - 100TX Hub	DEH2604	Compex		181	3	543	See Note 4
LANTech 8-port 10BaseT hub	DEH2648	LANTech		29.25	2046	59,846	See Note 4
Subtotal						60,389	0
Total						\$434,732	\$38,393
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 pricing 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.				Five-Year Cost of Ownership: \$473,125			
(Pricing: 1 = Microsoft) - Note 4 = 5 Year warranty with 10% Spares				tpmC Rating: 18127.40			
				\$ / tpmC: \$26.10			
Note: The benchmark results and test methodology were audited by Lorna Livingtree of Performance Metrics, Inc.							

Numerical Quantities Summary

MQTH, Computed Maximum Qualified Throughput

18127.40 tpmC

% throughput difference, reported & reproducibility runs

0.42%

Response Times (in seconds)

	Average	90%	Maximum
New-Order	0.53	0.91	4.10
Payment	0.43	0.8	3.92
Order-Status	0.44	0.81	3.88
Delivery (interactive portion)	0.11	0.12	3.33
Delivery (deferred portion)	0.42	0.64	3.34
Stock-Level	1.93	2.47	4.46
Menu	0.13	0.12	4.08

Transaction Mix, in percent of total transaction

New-Order	44.72%
Payment	43.09%
Order-Status	4.07%
Delivery	4.06%
Stock-Level	4.05%

Emulation Delay (in seconds)

	Resp.Time	Menu
New-Order	N/A	N/A
Payment	N/A	N/A
Order-Status	N/A	N/A
Delivery (interactive)	N/A	N/A
Stock-Level	N/A	N/A

Keying/Think Times (in seconds)

	Min.	Average	Max.
New-Order	18.00/0.00	18.00/12.19	18.26/122.35
Payment	3.00/0.00	3.00/12.23	3.14/123.25
Order-Status	2.00/0.00	2.01/10.25	2.13/101.9
Delivery (interactive)	2.0/0.00	2.01/5.12	2.16/51.25
Stock-Level	2.00/0.00	2.01/5.15	2.10/50.90

Test Duration

Ramp-up time	32 minutes
Measurement interval	30 minutes
Transactions (all types) completed during measurement interval	1209702
Ramp down time	8 minutes

Checkpointing

Number of checkpoints	1
Checkpoint interval	30 minutes