Compaq Computer Corporation	ProLiant 5500-6/400 C/S with 3 ProLiant 1600	TPC-C Rev. 3.3
		Report Date: Sep 11,1998

Total System Cost	TPC-C Throughput	Price/Performance	Availability Date
$384,727	**17715.90**	**$21.71**	**Dec 26, 1998**

Processors	Database	Operating System	Other Software	Number Users
4 Pentium II Xeon 400 MHz	Microsoft SQL Server 7.0 Enterprise Ed.	Windows NT 4.0 Enterprise Edition	NonStopTuxedo 1.3 Microsoft Visual C++ MKS Toolkit for NT	**14500**

Compaq ProLiant 5500 6/400

Client 1
5 LANs =4833 PCs

Client 2
5 LANs =4833 PCs

Client 3
5 LANs =4834 PCs

Ethernet

12 x Compaq ProLiant Storage Systems

6 x Compaq SMART-3200 Array Controllers

1 x Compaq UPS Model M1500

6 x 18.2GB
134 x 9.1GB
Pluggable Drives (external + 1 4.3GB internal)
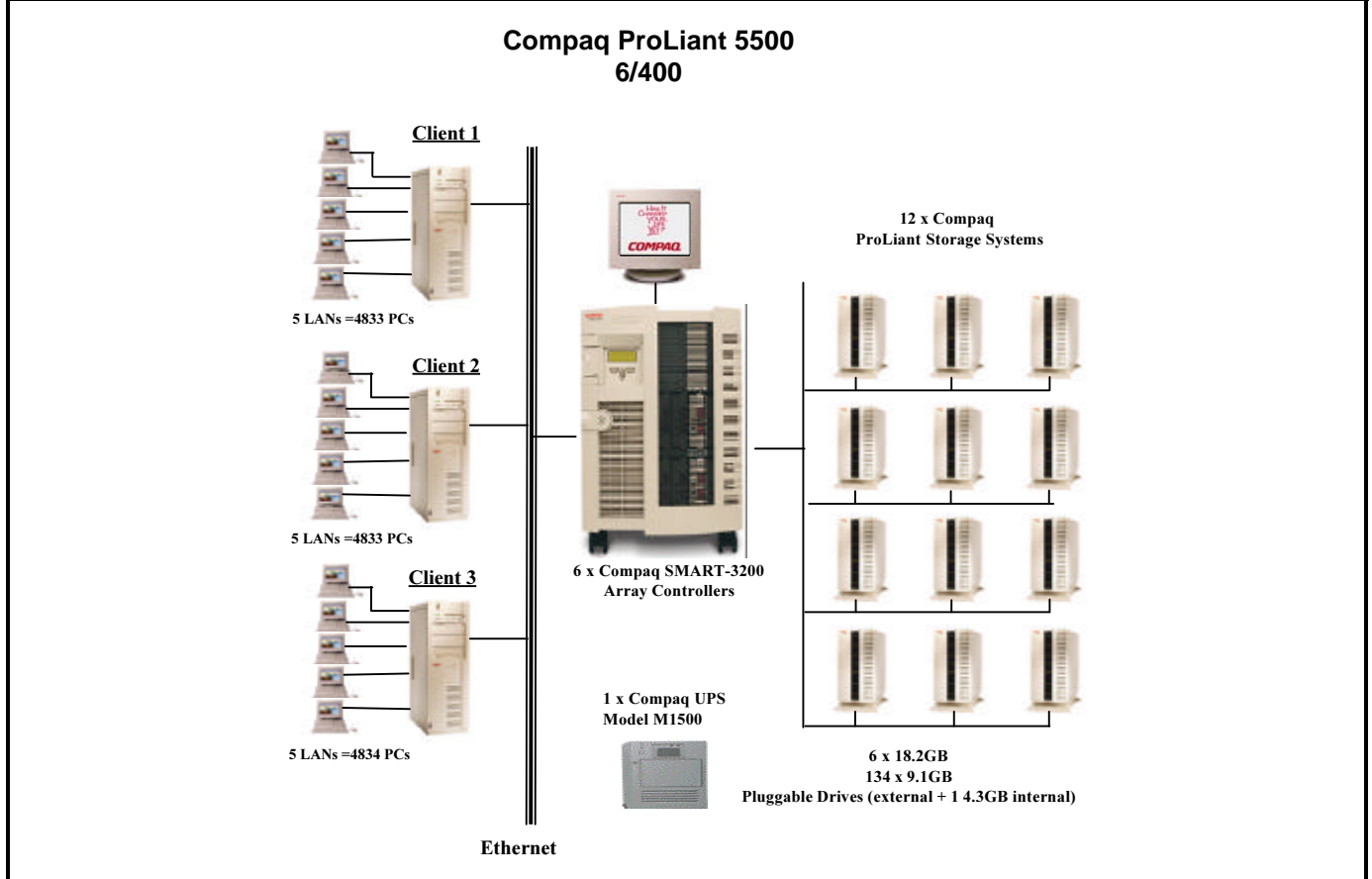
System Components	Server Quantity	Server Description	Each Client Quantity	Each Client Description
Processor	4	400MHz Pentium II Xeon w/ 1MB Cache	2	400MhzPentium II w/ 512K cache
Memory	3 4	1024MB 32MB	1	256MB
Disk Controllers	6	SMART SCSI Array Controller 3200	1	Integrated Ultra SCSI Controller
Disk Drives	134 6 1	9.1GB SCSI Drive 18.2GB SCSI Drive 4.3GB SCSI Drive	1	4.3GB SCSI Drive
Total Storage		1.162 TeraBytes		
Tape Drives	1	4/16 TurboDAT		

Compaq Computer Corporation	ProLiant 5500-6/400 Client/Server	TPC-C REV 3.3.3		
		Report Date:		11-Sep-98

Description	Part Number	Third Party Brand Pricing	Unit Price	Qty	Extended Price	5 yr. Maint. Price
Server Hardware						
ProLiant 5500-6/400-M1, 128MB RAM	352300-001		7,935	1	7,935	
Pentium II Xeon/400MHz - 512KB Cache						
10/100 Ethernet Controller						
2 x Integrated Fast-SCSI-2 Controller						
CD-ROM						
ProLiant Warranty Upgrade	276535-000		1,150	1		1,150
Onsite 5x8 4hr Service Upgrade						10,959
ProLiant 6/400-1024K Processor	**312286-B21**		**4,830**	**4**	**19,320**	
1024-MB Memory Expansion Kit	**241774-B21**		**6,254**	**3**	**18,761**	
Compaq SMART Array Controller 3200	295643-B21		2,250	6	13,500	
ProLiant Storage System -UE	348700-001		2,475	12	29,700	
ProLiant Storage Warranty Upgrade	276537-001		430	12		5,160
4.3 GB Pluggable Fast-SCSI-2 Drive	146742-005		574	1	574	
9.1 GB Pluggable SCSI-3 Drive - 7.2K RPM	313706-B21		976	110	107,399	
9.1 GB Pluggable SCSI-3 Drive - 10K RPM	336357-B21		1,172	24	28,124	
18.2 GB Pluggable SCSI-3 Drive - 10K RPM	336358-B21		2,483	6	14,897	
Compaq VGA V55 - 15" Color Monitor	**308006-001**		**246**	**1**	**246**	
4/8GB DAT Drive	**295353-B21**		**803**	**1**	**803**	
Compaq Rack Mount UPS M1500	**242704-001**		**1,058**	**1**	**1,058**	
				Subtotal	**242,317**	**17,269**
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 Windows NT Enterprise v. 4.0		Microso 1	**3,999**	**1**	**3,999**	**Incl Above**
				Subtotal	**33,497**	**10,475**
Client Hardware						
ProLiant 1600 6/400 - 64MB,100TX Nic, 4.3G	315570-001		2,961	3	8,884	
ProLiant Warranty Upgrade	276535-000		1,150	3		3,450
Onsite 5x8 4 Hr Response Maintenance						2,477
ProLiant 1600 6/400 Processor Option Kit	313612-B21		1,725	3	5,175	
64-Megabyte SD DIMM Kit	313614-B21		419	1	419	
128-Megabyte SD DIMM Kit	313615-B21		889	4	3,556	
Netelligent Dual Port 10/100 PCI NIC	242559-001		270	6	1,622	
Netelligent 10/100 UTP PCI NIC	169845-001		83	3	248	
Compaq VGA V55 - 15" Color Monitor	**308006-001**		**246**	**3**	**738**	
				Subtotal	**20,641**	**5,927**
Client Software						
Microsoft Windows NT Server v. 4.0		Microso 1	**809**	**3**	**2,427**	**Incl. Above**
Microsoft Visual C++		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						
Compaq 100Base-T Workgroup Hub - 4-Pc	348450-001		190	3	569	See Note 4
8-port 10BaseThub			34.00	2013	68,442	See Note 4
				Subtotal	**69,011**	**0**
Large Purchase and Cash discount	**9.0%**				**($23,666)**	
				Total	**$350,576**	**$34,151**

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

Five-Year Cost of Ownership: **$384,727**

tpmC Rating: **17715.90**

Numerical Quantities Summary

MQTH, Computed Maximum Qualified Throughput   17715.90 tpmC

% throughput difference, reported & reproducibility runs   0.99%

Response Times (in seconds)

	Average	90%	Maximum
New-Order	0.70	1.22	21.02
Payment	0.54	1.05	20.21
Order-Status	0.59	1.11	17.77
Delivery (interactive portion)	0.11	0.12	15.58
Delivery (deferred portion)	0.50	0.75	3.34
Stock-Level	2.74	3.47	16.17
Menu	0.11	0.12	3.87

Transaction Mix, in percent of total transaction

New-Order	44.75%
Payment	43.05%
Order-Status	4.07%
Delivery	4.08%
Stock-Level	4.04%

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	18.00/12.21	18.23/122.31
Payment	3.00/0.00	3.00/12.22	3.14/122.30
Order-Status	2.00/0.00	2.01/10.20	2.11/101.9
Delivery (interactive)	2.0/0.00	2.01/5.16	2.10/50.90
Stock-Level	2.00/0.00	2.01/5.15	2.10/50.90

Test Duration

Ramp-up time	37 minutes
Measurement interval	30 minutes
Transactions (all types) completed during measurement interval	1181947
Ramp down time	19 minutes

Checkpointing

Number of checkpoints	1
Checkpoint interval	30 minutes