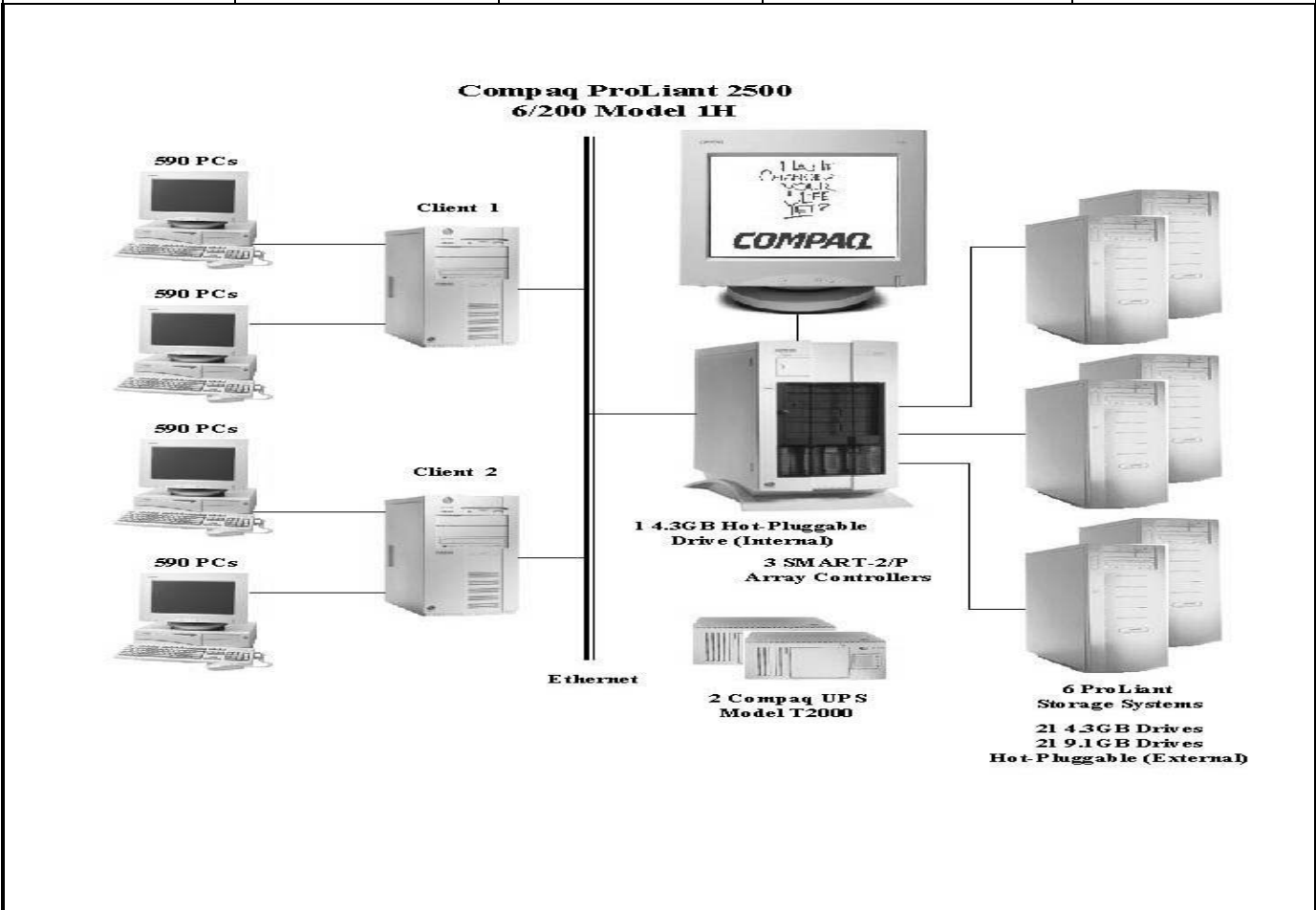


Compaq Computer Corporation		<b>ProLiant 2500 6/200 Model 1H</b>		TPC-C Rev. 3.3	
		C/S with 2 ProLiant 800		Report Date: June 18,1997	
Total System Cost		TPC-C Throughput		Price Performance	
<b>\$244,154</b>		<b>2604.77 tpmC</b>		<b>\$93.73</b>	
Processors		Database Manager		Operating System	
<b>1 Pentium®Pro 200 MHz</b>		<b>ORACLE 7.3.4</b>		<b>Windows NT 4.0</b>	
				Other Software	
				<b>TopEnd v2.04.01</b>	
				Number of Users	
				<b>2360</b>	



System Components	Server		Clients	
	Quantity	Description	Quantity	Description
Processor	1	200MHz Pentium®Pro 512K Level 2 Cache	2	Pentium®Pro 200 MHz w/512K cache
Memory	4	256KB	2	160 MB
Disk Controllers	3	SMART-2 SCSI Array Controller	2	Integrated Ultra SCSI Controller
Disk Drives	21	9.1GB SCSI-2 Drive	2	4.3 GB SCSI-2 Drive
	22	4.3 GB SCSI-2 Drive		
Total Storage		471.40 GB		7.98 GB
Tape Drives	1	4/16 TurboDAT		

Corporation		Client/Server			Report Date:		18-Jun-97
Description	Part Number	Third Party	Unit Price	Qty	Extended Price	5 yr. Maint. Price	
<b>Server Hardware</b>		<b>Brand Pricing</b>					
ProLiant 2500 6/200 - 512K Model 1H PentiumPro/200MHz 512K Processor Board Netelligent 10/100 TX Ethernet Controller Integrated Fast-SCSI-2 Controller CD-ROM SmartStart Compaq System Configuration Utility	307550-001		6,655	1	6,655	2,329	
256 MB DIMM Kit	271910-001		5,238	4	20,952	7,333	
SMART-2/P SCSI Array Controller	194753-001		2,138	3	6,414	2,245	
Enhanced ProLiant Storage System	189600-001		863	6	5,178	1,812	
4.3 GB Pluggable SCSI-2 Drive	146742-006		1,227	22	26,994	9,448	
9.1 GB Pluggable SCSI-2 Drive	199882-001		2,248	21	47,208	16,523	
Compaq V50 Color Monitor	264150-001		383	1	383	134	
Compaq Uninterruptible Power Supply T2000	242688-005		934	2	1,868	654	
4\16GB TurboDAT Drive	142181-001		1,084	1	1,084	379	
<b>Subtotal</b>					<b>116,736</b>	<b>40,858</b>	
<b>Server Software</b>							
Microsoft Windows NT Server v. 4.0		Microsoft	809	1	809	4,045	
Oracle7 Workgroup Server V7.3.4 for NT		Oracle	10,506	1	10,506	10,506	
MKS Toolkit		MKS	349	1	349	5 yr warranty	
<b>Subtotal</b>					<b>11,664</b>	<b>14,551</b>	
<b>Client Hardware</b>							
ProLiant 800 6/200 - Model 4300	273750-003		3,563	2	7,126	2,494	
64-MB Memory Kit (1x64-MB, 60 ns, ECC)	225483-001		625	4	2,500	875	
NetFlex 3 PCI Ethernet Controller	169810-001		174	4	696	244	
Compaq V50 Color Monitor	264150-001		383	2	766	268	
<b>Subtotal</b>					<b>11,088</b>	<b>3,881</b>	
<b>Client Software</b>							
Microsoft Windows NT Server v. 4.0		Microsoft	809	2	1,618	8,090	
Microsoft Visual C++ v. 4.0		Microsoft	499	1	499	2,495	
Top End Server for NT - Class 1		NCR	2,700	2	5,400	960	
Top End Interactive System Definition		NCR	1,000	1	1,000	Incl. Above	
<b>Subtotal</b>					<b>8,517</b>	<b>11,545</b>	
<b>User Connectivity</b>							
Linksys 8-port 100BaseTX Ethernet Hub	65360304	Linksys	555	3	1,665	5 yr warranty	
Linksys 20-port 10BaseT Ethernet Hubs	65360303	Linksys	215	110	23,650	5 yr warranty	
<b>Subtotal</b>					<b>25,315</b>	<b>0</b>	
<b>Total</b>					<b>\$173,320</b>	<b>\$70,834</b>	

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](mailto:pricing@tpc.org). Thank you.

Note: The benchmark results and test methodology were audited by Lorna Livingtree of Performance Metrics, Inc.

**Five-Year Cost of Ownership: \$244,154**

**tpmC Rating: 2604.77**

**\$ / tpmC: \$93.73**

## Numerical Quantities Summary

**MQTH, Computed Maximum Qualified Throughput**

**2604.77 tpmC**

% throughput difference, reported & reproducibility runs

1.04%

**Response Times (in seconds)**

**Average**

**90%**

**Maximum**

New-Order	2.47	4.42	8.99
Payment	2.27	4.22	8.57
Order-Status	2.22	4.10	8.50
Delivery (interactive portion)	0.34	0.65	4.11
Delivery (deferred portion)	0.76	1.29	48.72
Stock-Level	3.23	6.64	11.80
Menu	0.31	0.61	4.22

**Transaction Mix, in percent of total transaction**

New-Order	44.77%
Payment	43.04%
Order-Status	4.12%
Delivery	4.00%
Stock-Level	4.07%

**Emulation Delay (in seconds)**

**Resp.Time**

**Menu**

New-Order	0.1	0.1
Payment	0.1	0.1
Order-Status	0.1	0.1
Delivery (interactive)	0.1	0.1
Stock-Level	0.1	0.1

**Keying/Think Times (in seconds)**

**Min.**

**Average**

**Max.**

New-Order	18.01/0.00	18.01/12.76	18.21/128.41
Payment	3.01/0.00	3.01/12.78	3.11/128.40
Order-Status	2.01/0.00	2.01/10.60	2.13/96.40
Delivery (interactive)	2.01/0.00	2.01/5.35	2.13/49.30
Stock-Level	2.01/0.00	2.01/5.39	2.11/53.50

**Test Duration**

Ramp-up time	19 minutes
Measurement interval	30 minutes
Transactions (all types) completed during measurement interval	173,553
Ramp down time	17 minutes

**Checkpointing**

Number of checkpoints	1
Checkpoint interval	30 minutes