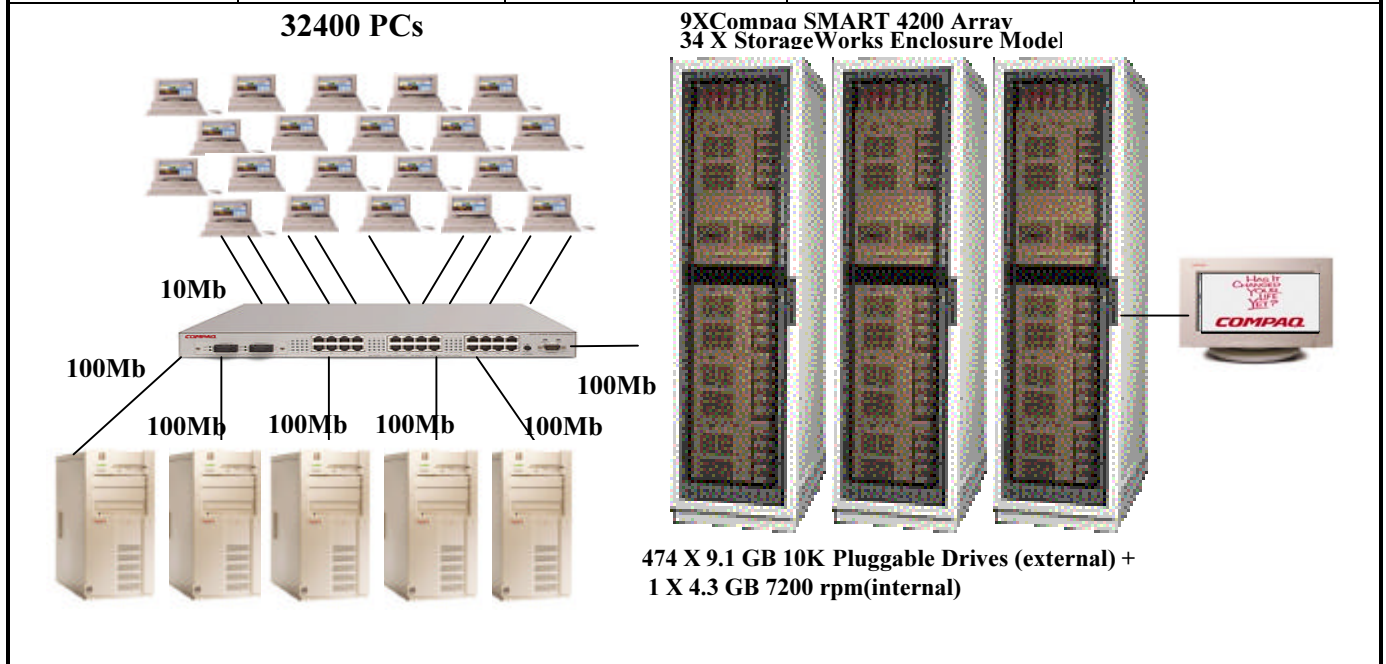


Compaq Computer Corporation		ProLiant 8000-550-4S C/S with 5 ProLiant 1600		TPC-C Rev. 3.5 Report Date: Sept 1, 1999					
Total System Cost		TPC-C Throughput		Price/Performance		Availability Date			
\$753,108		40266.40		\$18.70		Dec 31, 1999*			
Processors		Database		Operating System		Other Software		Number Users	
8 Pentium III Xeon 550 MHz		Microsoft SQL Server 7.0 SP2 Enterprise Edition		Windows NT 4.0 Enterprise Edition (SP4)		Microsoft Visual C++ MKS Toolkit for NT Microsoft COM+		32400	



System Components	Server		Each Client	
	Quantity	Description	Quantity	Description
Processor	8	550MHz Pentium III Xeon w/ 2MB Cache	2	500MHz Pentium III w/ 512K cache
Memory	16	256MB	4	128MB
Disk Controllers	9	SMART SCSI Array Controller 4200	1	Integrated Ultra SCSI Controller
Disk Drives	474	9.1GB SCSI Drive	1	4.3GB SCSI Drive
	1	4.3GB SCSI Drive		
Total Storage		3.9258 TeraBytes		4.3 GB
Tape Drives	1	4/16 TurboDAT		

* All hardware components are available at the time of this publication.

Compaq Computer Corporation	ProLiant 8000-550-4S		TPC-C Rev. 3.5			
	Client/Server		Report Date:		1-Sep-99	
Description	Part Number	Third Party Brand	Unit Price	Qty	Extended Price	5 yr. Maint. Price
Server Hardware						
ProLiant 8000-550-4S	303900-001		57,338	1	57,338	
- 4 Pentium III Xeon/550MHz 2MB Cache						
- 2 GB SD RAM Memory						
- CD-ROM 24X						
- 10/100 Ethernet Controller						
ProLiant Pentium III Xeon 6/550-2M w/ Redundant PPM	146170-B21		6,720	4	26,880	
512MB SD RAM Memory Kit (2 x 256MB)	238807-B21		1,652	4	6,608	
Compaq SMART Array Controller 4200	295636-B21		2,218	9	19,958	
StorageWorks Enclosure Model 4214R	103381-001		2,576	34	87,584	
4.3-GB Fast SCSI-2 7200 RPM Drive	199580-001		447	1	447	
Compaq V500 Color Monitor	325900-001		203	1	203	
4/8GB DAT Drive	295353-B21		703	1	703	
Compaq Rack Model 7142	165753-001		1,680	3	5,040	
Compaq Rack Coupling Kit	165664-001		152	2	305	
Compaq Rack Sidewall Kit	165652-001		208	1	208	
9.1 GB Hot-Plug SCSI-3 Drive - 10K	336357-B21		716	474	339,232	
ProLiant Enterprise Server - Parts Exchange - 1 Year	FM-HEPRT-12		597	2		1,194
ProLiant Storage System - Parts Exchange - 1 Year	FM-STPRT-12		255	68		17,340
Onsite 5x8 4 Hr Service Upgrade from Compaq Standard Service	Allstar					43,561
Subtotal					544,507	62,095
Server Software						
Microsoft SQL Server 7.0 Enterprise		Microsoft	28,999	1	28,999	10,475
MKS Toolkit for NT		MKS	499	1	499	5 Yr WTY
Microsoft Visual C++ 6.0		Microsoft	549	1	549	Incl Above
Microsoft Windows NT Enterprise v. 4.0		Microsoft	3,999	1	3,999	Incl Above
Subtotal					34,046	10,475
Client Hardware						
ProLiant 1600 6/500 - 128MB,100TX Nic	386746-001		2,685	5	13,423	
ProLiant 1600 6/500 Processor Option Kit	401268-B21		1,399	5	6,994	
128-Megabyte SD DIMM Kit	313615-B21		202	15	3,024	
Compaq V500 Color Monitor	325900-001		203	5	1,014	
4.3-Gigabyte Pluggable Wide-Ultra SCSI-3 Hard Drive (1")	272577-001		469	5	2,346	
ProLiant Workgroup Server - Parts Exchange - 1 Year	FM-LOPRT-12		259	10		2,590
Onsite 5x8 4 Hr Service Upgrade from Compaq Standard Service	Allstar					2,144
Subtotal					26,802	4,734
Client Software						
Microsoft Windows 2000 Server		Microsoft	809	5	4,045	Incl. Above
Subtotal					4,045	0
User Connectivity						
Compaq Dual Speed Switch SW3322	355300-B21	Compaq	1,679	4	6,716	See Note 1
8-port 10BaseT hub		Generic	29.00	4461	129,369	See Note 1
Subtotal					136,085	0
Large Purchase and Cash discount	9.0%				(\$63,665)	(\$6,015)
Total					\$681,819	\$71,289
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: \$753,108	
					tpmC Rating: 40266.40	
					\$ / tpmC: \$18.70	
Pricing: 1=Allstar Systems 2= Microsoft						
Note 1 = 5 Year warranty with 10% Spares -						
Note: The benchmark results and test methodology were audited by Loma Livingtree of Performance Metrics, Inc.						

Numerical Quantities Summary

MQTH, Computed Maximum Qualified Throughput

40266.40 tpmC

% throughput difference, reported & reproducibility runs

0.10%

Response Times (in seconds)

	Average	90%	Maximum
New-Order	0.44	0.64	4.92
Payment	0.35	0.65	6.51
Order-Status	0.22	0.28	4.19
Delivery (interactive portion)	0.11	0.13	0.64
Delivery (deferred portion)	0.50	0.66	1.42
Stock-Level	1.95	2.49	7.67
Menu	0.11	0.13	0.71

Transaction Mix, in percent of total transaction

New-Order	44.79%
Payment	43.07%
Order-Status	4.04%
Delivery	4.06%
Stock-Level	4.04%

Emulation Delay (in seconds)

	Resp. Time	Menu
New-Order	0.10	0.10
Payment	0.10	0.10
Order-Status	0.10	0.10
Delivery (interactive)	0.10	0.10
Stock-Level	0.10	0.10

Keying/Think Times (in seconds)

	Min.	Average	Max.
New-Order	18.00/0.00	18.01/12.11	18.18/121.21
Payment	3.00/0.00	3.01/12.10	3.18/121.21
Order-Status	2.00/0.00	2.01/10.08	2.10/100.99
Delivery (interactive)	2.00/0.00	2.01/5.06	2.18/50.50
Stock-Level	2.00/0.00	2.01/5.06	2.15/50.50

Test Duration

Ramp-up time	20 minutes
Measurement interval	20 minutes
Transactions (all types) completed during measurement interval	1797845
Ramp down time	20 minutes

Checkpointing

Number of checkpoints	1
Checkpoint interval	20 minutes